

Raniganj Girls' College



Searsole Rajbari
Raniganj - 713 358



SELF STUDY REPORT 2015 **FIRST CYCLE ASSESSMENT AND** **ACCREDITATION**

Submitted to



National Assessment and Accreditation Council
PO Box No 1075, Nagarbhavi, Bangalore 560 072



Covering Letter:



RANIGANJ GIRLS' COLLEGE

P.O.: Searsole Rajbari-713358, District: Burdwan, West Bengal, India
Principal: 0341-2444069, Telefax: 0341-2449274, Office: 0341-2445280
e-mail: raniganjgirlscollege@gmail.com, Website: www.raniganjgirlscollege.org

Ref. No.: RGC/167/131/2016

Date: 9th February 2016

The Director
National Assessment and Accreditation Council
P. O. Box No. 1075
Nagarbhavi
Bangalore -560072
Karnataka
India

Submission of Self Study Report (Track ID: WBCOGN25934)

Sir,

I am glad to hereby submit the hard copies of the Self Study Report of Raniganj Girls' College for the first cycle of NAAC accreditation on successful completion of the Institutional Eligibility for Quality Assessment (IEQA) on 6th February 2016.

You will also be glad to know that we have also successfully uploaded all necessary information on the website of All India Survey of Higher Education in the meantime.

The Self Study Report of Raniganj Girls' College for NAAC accreditation has been prepared with a lot of care and scrutiny by our collective effort in strict compliance with the format prescribed by you. Thus it has been possible to overcome some of the inadvertent inconsistencies in terms of data and linguistic expressions in the draft SSR uploaded on our college website on 31st December 2015.

I do believe that the esteemed Peer Team members on their visit to our college will find the Self Study Report to be a true reflection of the reality about our beloved institution.

Eagerly looking forward to extend warm welcome the honourable Peer Team Members,



Yours faithfully

Chhabi De

9.2.16

Dr Chhabi De
Principal

Principal
Raniganj Girls' College
P.O.- Searsole, Dist.- Burdwan...



Preface

Raniganj Girls' College was established on 9th November 1980, on 6.258 acres of land donated by the Raja of Searsole, Raniganj. For some time there had been a general feeling among the citizens of Raniganj that a "Women Only" college should be established in Raniganj. There was a co-educational college already in the town as well as other co-educational colleges at Asansol and Durgapur and a girls' college at Asansol. But the citizens of Raniganj, led by the Raniganj Chamber of Commerce(RCC), and supported by the local MLA, Sri Haradhan Roy, and the then Municipal Chairman, Sri Rathin Ghosh got together enough money through donations to set up the college. Sri Govind Ram Khaitan, Secretary of the RCC, and Sri Gouri Shankar Nandy along with their friends and associates took an active interest in the college from the initial stages, checking expenses carefully, going personally to the Education Directorate at the Writers' Buildings, personally looking into correspondence relating to the recruitment of Teaching and non-Teaching Staff as well as matters of security and convenience of lady teachers of the college. The Eastern Coalfields Limited contributed generously to the Building Fund. The academic as well as the non-academic staff of the neighbouring Triveni Devi Bhalotia College also helped us to set up the college which at first started with a handful of students during the morning hours (7am-10am) at Gandhi Memorial Girls' High School, and later at Jamunamoyee Devi Girls' School. The college office used to function at the office of the Raniganj Chamber of Commerce till May 1983. The first joinees were Sri Anil Dutta, Head Clerk, Smt Sitala Sadhu, Attendant, Sri Damodar Yadav, Night Guard and many others.

The courses offered at first were Higher Secondary course in Arts and B.A. Pass courses in English, Bengali, Hindi, Sanskrit, History, Philosophy, Political Science and Economics. We moved to our new college building at Searsole Rajbari in May, 1983. Our first Teacher-in-Charge was Dr Dipali Bhattacharya (Philosophy)



and our first Principal, Dr Chhabi Dutta. Swami Lokeswarananda inaugurated the new college building and the guests were welcomed with a performance of *Chitrangada*, a dance drama by Tagore which was followed by a cultural programme.

The College Library was also functioning since 1981, headed by Smt Sikha Mukherjee, Librarian, assisted by Smt Sitala Sadhu and later by Smt Bandana Chatterjee. Several additions have been made since then. A new Science Building was inaugurated in 2005 during the tenure of the then Principal, Dr Aparna Rani Basu. A larger auditorium on the second floor replaced a comparatively smaller auditorium on the first floor; a Seminar Hall was constructed on the second floor and inaugurated by the then Hon'ble Governor of West Bengal, Sri Viren J. Shah in 2002. Funds for building the college canteen was chiefly donated by Sri Haradhan Roy, the then Member of Parliament elected from the Asansol Parliamentary Constituency. A Girls' Hostel has also been constructed for the students who come from afar and will start functioning soon. We were again lucky to have the then Hon'ble Governor of West Bengal, Sri Gopal Krishna Gandhi as the Chief Guest at the Silver Jubilee celebrations of the college held in 2005. The silver jubilee celebrations of the college continued for one year. A series of seminars, exhibitions, and cultural functions were organized by the college which were inaugurated by eminent personalities like Prof Amit Mallick, the then Vice-Chancellor of The University of Burdwan, Professor Sudhir Roy, Sri Anup Mitra, President of the Governing Body of the college and the then Principal Dr Aparna Rani Basu.

Besides B.A., B.Sc. Courses (Honours as well as General) and B Com General Courses, Short-Term Vocational Training Courses were also offered in DTP, Secretary-ship and Food-Processing. The last three courses had to be discontinued due to various constraints. Remedial Courses for backward and economically disadvantaged students are also run side-by-side. The college also organizes UGC sponsored Coaching for Entry in Services for SC, ST, OBC, Minorities and economically weak students such as School Service Commission. From 1980 onwards the following subjects were introduced.



Sl. No.	Subjects	Year of Introduction	
		General	Honours
1.	Philosophy	1980	1985-86
2.	Bengali	1980	1996-97
3.	History	1980	1996-97
4.	Political Science	1980	1999-2000
5.	English	1980	2003-04
6.	Hindi	1980	2006-07
7.	Economics	1980	2006-07
8.	Sanskrit	1980	2007-08
9.	Urdu	2008-09	2009-10
10.	Geography	2008-09	2012-13
11.	Mathematics	1990-91	2000-01
12.	Zoology	1990-91	2000-01
13.	Botany	1990-91	2000-01
14.	Physics	1990-91	2001-02
15.	Chemistry	1990-91	2008-09
16.	Microbiology	NA	2007-08
17.	Commerce	2000-01	NA



A Short-Term Course in Basics of Computer has also been introduced along with a Course in spoken English and soft-skill development. A MOU has been signed with NSHM UDAAN Skills Pvt. Ltd for facilitating scope for self employment for the students of average merit.

The National Service Scheme (NSS) has undertaken the task to beautify the campus and the all-round development of two adjacent adopted villages – BANSKATPARA and JORATALPARA. The college motivates the Students' Union of the college to help the neighbouring Ananda Ashram, a nearby orphanage periodically. The Botany Department also assists in the beautification of the college by maintaining a rich herbal garden and labelling trees. The NSS also undertakes the task of cleaning the college campus from time to time. It has also undertaken the cultivation of vegetables throughout the year.

There is also an active National Cadet Corps unit (NCC) at our college under the able guidance of Lieutenant Jayasree Modak. Until Lt. Modak took charge of NCC, the unit was looked after by one of our alumnus. Our cadets have participated in various national and state level camps and Republic Day Parade. Many of them have taken part in adventure sports like rock climbing etc. In the preceding years many NCC cadets have earned many prizes and awards including the Governor's Medal. Quite a number of NCC cadets of our college have been placed in different forces.

We have introduced the concept of Earn While You Learn (EWYL) for the economically weak students. Raniganj lies in the middle of the Raniganj-Jharia Coal-Belt and is semi-urban in spirit. There is lack of awareness about the academic needs of the girl-students. Hence we get a large number of first-generation learners and reaching out to them academically is a very challenging task. However, the academic scenario is changing gradually and we can hope for a better future for our students than their predecessors.





Executive Summary

Raniganj Girls' College is submitting the Self Study Report 2015 for assessment and the first cycle of accreditation to the National Assessment and Accreditation Council. The draft report has been prepared in conformity with the format formulated by NAAC. In preparing the draft report, information and data was collected from different stakeholders at all levels. In this regard the contribution and cooperation of all the stakeholders is highly appreciated. A very brief summary of the different criteria followed by SWOC analysis and future plans of the college is given below:

Criterion I - Curricular Aspects: In this criterion, the details of the curriculum development and implementation made by the institution, as outlined by the affiliating universities, is described keeping in mind the mission of the college. It also describes the practices of our institution in formulating programme options and courses that are in tune with the local demand. Apart from issues of diversity and academic flexibility, aspects on career orientation, skill development and involvement of stakeholders in curriculum enrichment has also been addressed.

Criterion II - Teaching-Learning and Evaluation: This criterion deals with the efforts of our college to serve students of different backgrounds and abilities, through effective teaching-learning experiences. Interactive instructional techniques like seminars, group discussions, debates, projects, presentations, experiments, and application of ICT resources are used to impart knowledge and motivate students. The report dwells upon the aspect of the continuous professional development of the faculty who handle the programmes of study. The techniques used to continuously evaluate the performance of teachers and students have also been outlined here.

Criterion III - Research, Consultancy and Extension: This criterion relates to information about the policies and practices of the institution with reference to research, consultancy and extension work. It deals with the facilities provided and efforts made by the institution to promote a 'research culture'. The institution also motivates faculty members to undertake research projects and give research guidance useful for the society.



Criterion IV - Infrastructure and Learning Resources: This criterion in the SSR explicitly outlines the data on the adequacy and optimal use of the facilities available in our college to maintain academic quality and the performance of other programmes on the campus. It also gives detailed information on how every constituent of the institution - students, teachers and staff benefit from these facilities. Provision for future development has also been considered here.

Criterion V - Student Support and Progression: This criterion states the efforts made by the institution to provide all types of assistance to students, to acquire meaningful experiences for learning in the campus and to facilitate their holistic development and progression. It also describes the performance of the students and their progression to higher education and employment. The college also boasts of an active alumni association.

Criterion VI - Governance, Leadership and Management: The College frames its policies and practices pertaining to developing human resources, recruitment, training, performance appraisal, financial management etc based on inputs received from various stakeholders and inculcates leadership quality among its staff for institution building.

Criterion VII - Innovations and Best Practices: The innovative efforts of our institution are directed towards academic excellence and social responsibilities.

SWOC Analysis

Strength:

- 👉 Conducive academic ambience
- 👉 Adequate campus area for future development
- 👉 Efficient networking with academic and administrative bodies of higher learning and excellence
- 👉 Healthy synergy between the learners and the mentors
- 👉 Multi-Purpose Seminar Hall with Audio-Visual facility
- 👉 Class room with ICT facility
- 👉 Use of original software



- ✦ Extensive co-curricular, extra-curricular and outreach activities
- ✦ Catering to the educational needs of a diversified student community.
- ✦ Students with promising potentiality
- ✦ Ragging free campus
- ✦ Strong Alumni support from the ex-students as faculty members in the capacity of Government Approved Part-time teachers or Management appointed part-time lecturers.
- ✦ Green infrastructure for combating frequent power-cuts
- ✦ Plastic free zone
- ✦ Installation of sanitary napkin vending machine
- ✦ Availability of basic amenities.
- ✦ Social perception of the stake holders as a disciplined college.
- ✦ Initiation of self employment oriented courses with the signing of MOU with NSHM Udaan Skills Pvt. Limited.

Weakness:

- ✦ Notionally urban location semi-urban in spirit.
- ✦ Poor entry level linguistic competence of the students
- ✦ Sanctioned posts not filled up
- ✦ Lack of curriculum diversity aiming at creating employment opportunities
- ✦ Overt dependence on conventional courses
- ✦ Predominance of lecture demonstration method of teaching
- ✦ Paucity of skill oriented courses
- ✦ Inadequacy of physical infrastructure
- ✦ Computerization of the library in swing
- ✦ Window mesh to combat mosquito menace not installed in the first and second storey of the college.
- ✦ Paucity of funds for development
- ✦ First generation learners
- ✦ Financially challenged students
- ✦ Discontinuation of studies due to early marriage of a section of students

Opportunity:

- ✦ Availability of adequate land for future development
- ✦ Scope for growth of material infrastructure of the college



- ✎ Scope for foregrounding gender sensitive issues in an all girls' college
- ✎ Scope for faculty upgradation and research activities
- ✎ Scope for human resource development in the local area
- ✎ Exploring possibilities for formulation of skill-oriented courses
- ✎ Exploring possibilities for academic-industry interface
- ✎ Inculcating consciousness among the learners about their rights and duties
- ✎ Exposing the learners to a wider world

Challenges:

- ☞ Improving college infrastructure despite financial constraints
- ☞ Fostering self - confidence among students
- ☞ Motivating and counselling first generation learners
- ☞ Competition from peer academic institutions of the locality
- ☞ Provision for and exposure to e-learning resources.
- ☞ Grooming the learners for glocal competition
- ☞ Ensuring employability through on-campus recruitment.
- ☞ Increasing the declining trend in student enrolment ratio for courses low in demand
- ☞ Increasing opportunities for research

Future Plans:

- ✎ Preparation of syllabus oriented inter-disciplinary programme to enhance teaching and learning
- ✎ Reorientation of the internal evaluative pattern of the college for test examination towards academic excellence and non-academic participation.
- ✎ Upgradation from UG to PG courses in different disciplines.
- ✎ Introducing Programme in Open and Distance Education Mode
- ✎ Introducing short-term and skill oriented courses
- ✎ Complete computerization of the library
- ✎ Upgradation of the library facilities to open access system.
- ✎ Publication of an annual college journal
- ✎ Departmental educational tours outside the curriculum are in the pipeline
- ✎ Increasing outreach activities.
- ✎ Increasing the number of ICT based classrooms.



- ✌ Provision for providing free hostel accommodation to students of exceptional merit.
- ✌ Installation of window mesh in the first and second storey of the college to combat mosquito menace.
- ✌ Development of better infrastructure for sports and games
- ✌ Formation of a fair price stationary shop for students
- ✌ Formation of co-operative society to safeguard the interests of teachers and the staff.
- ✌ Aim to recycle solid garbage within the campus
- ✌ Use of solar energy and plan for installation of solar panels in the campus.
- ✌ Green to greener campus





PREPARATION OF SELF-STUDY REPORT

1. Profile of the Affiliated/Constituent College

1. Name and Address of the College:

Name:	Raniganj Girls' College	
Address:	P.O.: Searsole Rajbari, Dist. Burdwan	
City: Raniganj	Pin: 713358	State: West Bengal
Website:	www.raniganjgirlscollege.org	

2. For Communication:

Designation	Name	Telephone with STD Code	Mobile	Fax	Email
Principal	Dr Chhabi De	O: 0341-244-4069 R: 0343-254-3818	9434025079	0341-244-9274	chhabide@gmail.com
IQAC Coordinator	Ms Jyotika Waghela	O:0341-2445280 R:0341-2283207	9475029578	0341-244-9274	jyotika.waghela@gmail.com iqac.rgc@gmail.com
Steering Committee Co-ordinator (NAAC)	Dr Alok Kumar De	O: 0341-2445280 R:	9832168044 8670191524	0341-244-9274	akd.panua@gmail.com

3. Status of the Institution:

- Affiliated College
- Constituent College
- Any other (Specify)



9. Is the college recognized?

a. by UGC as a College with Potential for Excellence(CPE)?

Yes No

If yes, date of recognition: (dd-mm-yyyy)

b. for its performance by any other governmental agency?

Yes No

If yes, Name of agency: **Department of Higher Education, Government of West Bengal** and Date of recognition **23.03.2010** (dd-mm-yyyy)

10. Location of the campus and area in sq.mts:

Location*	URBAN
Campus area in sq. mts.	25325.23 sq m
Built up area in sq. mts.	2395.69 sq m

(* Urban, Semi-urban, Rural Tribal, Hilly Area, Any others specify)

11. Facilities available on the campus (Tick the available facility and provide numbers or other details at appropriate places) or in case the institute has an agreement with other agencies in using any of the listed facilities provide information on the facilities covered under the agreement.

- Auditorium / seminar complex with infrastructural facilities

- Sports facilities

* Play ground

- Hostel

* Girls' hostel

i. Number of hostel 01 (one)

ii. Number of inmates: Will start functioning soon

iii. Facilities (mention available facilities)

* Working women's hostel (Not applicable)

Residential facilities for teaching and non-teaching staff (give numbers available – cadre wise)

✓ Principal's Qtr. 01

✓ Night Watchman 01

✓ Lab-Attendants 02

✓ Casual Staff 01



Cafeteria – ✓ Canteen 01

- **Health centre** –
 - ✓ First aid
 - ✓ Emergency care facility

Health centre staff –

Qualified Doctor Full time Part-time

Qualified Nurse Full time Part-time

- **Facilities like banking, post office, book shops**(NA)
- **Transport facilities to cater to the needs of students and staff** (NA)
- **Animal house** (NA)
- **Biological waste disposal** (NA)
- **Generator or other facility for management/ regulation of electricity and voltage** Regular Connection from WBSEDB
Generator
 - ✓ Phase: 3 (Three)
 - ✓ Output: 440 V
 - ✓ Capacity: 62 KV
- **UPS support for computers**
- **Electrician for proper electricity management**
- **Solid waste management facility**
- **Waste water management**
- **Water harvesting**

12. Details of Programmes offered by the college (Give data for current academic year)

Sl. No.	Programmed Level	Name of the Program/ Course	Duration	Entry Qualification	Medium of Instruction	Sanctioned/ approved Student strength	No. of students admitted
1	Under-graduate	BA/BSc./ BCom	3 yrs.	+2 or equivalent	Bengali/ English	1668	903
2	Post-Graduate	NA	NA	NA	NA	NA	NA
3	Integrated Programmes PG	NA	NA	NA	NA	NA	NA
4	Ph.D.	NA	NA	NA	NA	NA	NA
5	M.Phil.	NA	NA	NA	NA	NA	NA
6	Ph.D	NA	NA	NA	NA	NA	NA
7	Certificate Course	NA	NA	NA	NA	NA	NA
8	UG Diploma	NA	NA	NA	NA	NA	NA



9	PG Diploma	NA	NA	NA	NA	NA	NA
10	Any other (Specify and provide details)	1. Course in Basics of Computer 2. Course in Spoken English and Soft-Skill Development	Six weeks 10 hours				

13. Does the college offer self-financed Programmes?

Yes

No

14. New programmes introduced in the college during the last five years if any?

Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Number	01
-----------------------------------------	-----------------------------	--------	----

15. List the department: (respond if applicable only and do not list facilities like Library, Physical Education as departments, unless they are also offering academic degree awarding programmes. Similarly, do not list the departments offering common compulsory subjects for all the programmes like English, Regional Languages etc.)

Faculty	Departments (eg. Physics, Botany, History etc.)	UG	PG	Research
Science	[Mathematics, Physics, Chemistry, Botany, Zoology] (Hons. & General) and Microbiology (Hons.)	✓	NA	NA
Arts	[Bengali, English, Sanskrit, Urdu, Philosophy, History, Political Science, Economics and Geography] (Hons. & General)	✓	NA	NA
Commerce	Commerce (General)	✓	NA	NA
Any Other (Specify)	NA	NA	NA	NA



16. Number of Programmes offered under (Programmes means a degree course like BA, BSc, MA, M.Com...)

- a. Annual system (03-BA,BSc, BCom)
 b. Semester system
 c. Trimester system

17. Number of Programmes with

- a. Choice Based Credit System (NA)
 b. Inter/Multidisciplinary Approach (NA)
 c. Any other (Specify and provide details) (NA)

18. Does the college offer UG and/or PG programmes in Teacher Education?

Yes No

19. Does the college offer UG or PG programme in Physical Education?

Yes No

20. Number of teaching and non- teaching positions in the Institution

Positions	Teaching Faculty								Non-teaching staff		Technical staff		Librarian
	Professor/Principal		Associate Professor		Assistant Professor		Govt. Approved PTTs						
	*M	*F	*M	*F	*M	*F	*M	*F	*M	*F	*M	*F	
Sanctioned by the UGC/University/State government		01	36 (sanctioned as Assistant Professor)				22		17		11		02
Recruited		01	03	05	08	05 +01 (lien)	08	14	07	02	04	03	0
Yet to recruit			14				0		08		03		02
Sanctioned by the Management/society or other authorized bodies	30								07		0		0
Recruited	* M - 14			* F - 16					04	03	0		0
Yet to recruit	0								0		0		0

*M-Male *F-Female



21. Qualifications of the teaching staff:

Highest Qualification	Professor/Principal		Associate Professor		Assistant Professor		Total
	Male	Female	Male	Female	Male	Female	
Permanent teachers							
D.Sc./D.Litt.							
Ph.D.		01	03	03	07	03	17
M.Phil.			00	01	00	01	02
PG			00	01	01	01	03
Government Approved Part-time teachers					Male	Female	Total
Ph.D.					02	00	02
M.Phil.					00	03	03
PG					06	11	17

22. Number of Visiting Faculty/Guest Faculty engaged with the College. NIL

23. Furnish the number of the students admitted to the college during the last four academic years.

Categories	Year1 (2011-12)		Year2 (2012-13)		Year3 (2013-14)		Year4 (2014-15)	
	Male	Female	Male	Female	Male	Female	Male	Female
SC	NA	270	NA	305	NA	334	NA	307
ST	NA	58	NA	76	NA	88	NA	105
OBC	NA	59	NA	59	NA	39	NA	117
General	NA	1348	NA	1294	NA	1467	NA	1361
Others (Minority)	NA	89	NA	111	NA	113	NA	102
Total	NA	1824	NA	1845	NA	2041	NA	1992



24. Details on students enrollment in the college during the current academic year:

Type of students	UG	PG	M.Phil	Ph.D.	Total
Students from the same state where the college is located	2061	NA	NA	NA	2061
NRI Students	NA	NA	NA	NA	NA
Foreign Students	NA	NA	NA	NA	NA
Total	NA	NA	NA	NA	NA

25. Dropout rate in UG and PG (average of the last two batches)

UG PG

26. Unit Cost of Education

(unit cost= total annual recurring expenditure (actual) divided by total number of students enrolled)

(a) Including the salary component (2014-2015)

(b) Excluding the salary component (2014-2015)

27. Does the college offer any programmes in distance education mode (DEP)?

NOT APPLICABLE

Yes

No

28. Provide teacher-student ratio for each of the programme/course offered:

Sl No.	Name of the Course	Teacher-Student Ratio
1.	Bachelor of Arts	30.5 : 1786
2.	Bachelor of Science	15.5 : 244
3.	Bachelor of Commerce	1.5 : 31

29. Is the college applying for

Accreditation: Cycle 1 Cycle 2 Cycle 3 Cycle 4

Re-Assessment:

30. Date of accreditation*(applicable for Cycle 2, Cycle 3, Cycle 4 and re-assessment only)

Cycle1:.....(dd/mm/yyyy) Accreditation Outcome/Result.....

Cycle2:(dd/mm/yyyy) Accreditation Outcome/Result.....

Cycle3:(dd/mm/yyyy) Accreditation Outcome/Result.....



31. Number of working days during the last academic year.

258 days

32. Number of teaching days during the last academic year.

180 days

(Teaching days means days on which lectures were engaged excluding the examination days)

33. Date of establishment of internal Quality Assurance cell (IQAC)

IQAC05 .03. 2013(dd/mm/yyyy) but dormant.
IQAC is active from April, 2015

34. Details regarding submission of Annual Quality Assurance Reports (AQAR) to NAAC.

AQAR (i)(dd/mm/yyyy)

AQAR (ii).....(dd/mm/yyyy)

AQAR (iii).....(dd/mm/yyyy)

AQAR (iv).....(dd/mm/yyyy)

35. Any other relevant data (not covered above) the college would like to include. (Do not include explanatory/descriptive information). NOT APPLICABLE





2(f) CERTIFICATE

UNIVERSITY GRANTS COMMISSION
BAHADUR SHAH ZAFAR MARG
NEW DELHI

F.8-19/81(CP)

November, 1982

To,
The Registrar,
Burdwan University,
Burdwan (West Bengal)

Subject:- Inclusion of new colleges under Section
2(f) of the UGC Act, 1956-Raniganj Girls
College, Raniganj.

Sir,

I am directed to refer to Vice Chancellor's
letter No.V/C-7/273 dated 10.9.1982 on the above subject and
to say that the name of the following college has been included
in the above list under Non-Govt. Colleges teaching upto
Bachelor's degree.

<u>Name of the Colleges</u>	<u>Year of Estt.</u>
Raniganj Girls College, P.O. Raniganj (Permanent) Distt. Burdwan	1980-81

Yours faithfully,

J.C. Vohra
(J.C.Vohra)
Under Secretary

Copy forwarded to:-

1. The Principal, Raniganj Girls College,
P.O. Raniganj Distt. Burdwan.
2. All Officers/Sections in the UGC Office.

O.P. Gupta
(O.P. Gupta)
For Secretary



12 (B) CERTIFICATE

<p>Ph. 23236351, 23232701, 23237721 23234116, 23235733, 23232317 23236735, 23239437, 23239627</p> <p>Extension No. 413 (CPP-I Colleges) UGC Website: www.ugc.ac.in</p>		<p style="text-align: center;">विश्वविद्यालय अनुदान आयोग बहादुरशाह जफर मार्ग नई दिल्ली-110 002 UNIVERSITY GRANTS COMMISSION BAHADURSHAH ZAFAR MARG NEW DELHI-110 002</p>
SPEED POST		
F. No. 1-1/2004 (CPP-I)	January, 2010	
<p>The Principal, Raniganj Girls College, Raniganj, Dist. Burdwan, <u>West Bengal.</u></p>		
<p style="color: purple; font-weight: bold;">25 JAN 2010</p>		
<p>Sub: - Recognition of Raniganj Girls College, Raniganj, Dist – Burdwan, West Bengal, under Section 2 (f) & 12 (B) of the UGC Act, 1956.</p>		
<p>Sir,</p> <p>With reference to your letter No. 21/586/2009 dated 31-07-2009 on the above subject, I am directed to say that the name of Raniganj Girls College, Raniganj, Dist – Burdwan, West Bengal, is included in the list of Colleges maintained under Section 2(f) & 12 (B) of the UGC Act, 1956 under the head Non-Government Colleges teaching upto Under Graduate Degree. The College is also eligible to receive Central assistance under Section 12 (B) of the UGC Act.</p>		
<p>Yours faithfully,</p> <p style="text-align: center;"><i>Sunita Gulati</i></p> <p>(Sunita Gulati) Section Officer</p>		
<p>RECEIVED RANIGANJ GIRLS' COLLEGE 30.1.2010 Date Signature</p>		



Criteria-wise Inputs

Criterion I	Curricular Aspects
Criterion II	Teaching-Learning and Evaluation
Criterion III	Research, Consultancy and Extension
Criterion IV	Infrastructure and Learning Resources
Criterion V	Student Support and Progression
Criterion VI	Governance, Leadership and Management
Criterion VII	Innovations and Best Practices



CRITERION I: CURRICULAR ASPECTS

1.1 Curriculum Planning and Implementation

1.1.1 State the vision, mission and objectives of the institution, and describe how these are communicated to the students, teachers, staff and other stakeholders.

The following are the vision, mission and the objectives of the institution:

1. Educating socially and economically backward students upon a strong foundation of secular, humanitarian world view.

The motto of our college is “असतोमासद्गमय।तमसोमाज्योतिर्गमय” (“asato ma sadgamay tamaso ma jyotirgamay”) i.e. “lead us from untruth to truth and from darkness to light” which broadly encompasses the mission, vision and objectives of our college. Our objective is to enlighten the girl students from socially and economically backward sections of the society and inculcate secular and humanitarian values among them.

2. Empowering women through higher education

We strongly believe in the age old dictum that “Knowledge is Power”. Acquisition of knowledge leads to emancipation. This is more pertinent for us as ours is a women’s college. We visualize our students as active agents who work towards eradication of gender inequality in the society as they become empowered by acquisition of higher education.

3. To impart quality education to the students

Our mission has always been to maintain the optimum standard in imparting education. We are always conscious of the quality of education provided to the students in spite of the fact that there are constraints on our infrastructure and resources.

4. To transform the college into a modern centre of learning by keeping up to the contemporary standard

Our endeavour has always been to constantly transform this institution in to a modern set up for imparting quality education. That is why we try to mobilize resources from various governmental agencies like the UGC and the Department



of Higher Education, Government of West Bengal to upgrade our infrastructure and resources. In the last three decades this college has consistently evolved into a modern centre of learning.

5. To develop all round personality of the students by involving them in various extra-curricular programme

We believe that education entails all round development of the learners' personality. The extra-curricular programmes like NSS, NCC and Youth Parliament can play significant roles in developing the personalities of the students as they get trained in various skills and get exposed to the larger issues of the society.

6. To be relevant to the society as a site of developing and nurturing human resource

True education can only legitimize itself if it is only relevant to the society. So we constantly try to deliver to the society by nurturing our students as human resources for the society.

7. To bring about a perceptible transformation in the society through women's empowerment and generation of quality human resource

Nearly five hundred students graduate from our college every year. We do believe that over the past three decades this has gradually brought about a silent transformation of the society of this colliery belt. Once being empowered through higher education they contribute to the society more positively. They can motivate the future generations to get exposed to higher education. Moreover they constitute a significant human resource bringing about material changes both at the micro and the macro levels.

8. Zero tolerance against any form of discrimination based on religion, caste or gender

We are zero tolerant about any kind of discrimination on our campus. There are various cells and committees to monitor cases of discrimination and take necessary steps to aware the students about the issues of discrimination. These bodies also take remedial steps as and when necessary.

9. To assist the students in placement

Education can only come to fruition if it leads to effective contribution to the national economic development. Therefore it is important to see to it that the



students who pass out from our institution as human resources get placed in various organisations.

10. Repaying the debt to the society

Being a government aided institution we are indebted to the people of our country. We are conscious of the fact that our expenditures are met by using taxpayers' money. Therefore we always try to remain firmly grounded in the society and repay the debt to the society through our extension activities and socially relevant programmes. The NSS units of our college have already adopted two villages and regularly carry out social work there.

11. Instilling a sense of gratitude and indebtedness to the institution

Our teachers and staff through their caring attitude infuse a sense of gratitude and indebtedness to the college among the students. By participating in various programmes like cleaning drive, green campus initiative etc. the students gradually develop a sense of belonging to the college. This attitude of indebtedness to the institution is reflected in the activities of the alumni association.

12. Developing self-esteem and respect for others

Students are nurtured in such a way during their course that they develop a strong sense of self-esteem as well as a sense of respect for the fellow citizens.

How these are communicated to the students, teachers, staff and other stakeholders.

The vision, mission and objectives of our college are communicated to the students, teachers, staff and other stakeholders by various means. The members of the teaching and the non-teaching staff and students are reminded of them by displaying the stated vision, mission and objectives on huge flex boards. Moreover in most of our meetings decisions are adopted by keeping these vision, mission and objectives in mind. These objectives and mission statements are also reiterated and touched upon during various functions held in our college. The students are systematically made aware of the vision, mission and objectives of our college by various documents like the College Prospectus, Annual Magazine, Students Diaries and display boards.



1.1.2 How does the institution develop and deploy action plans for effective implementation of the curriculum? Give details of the process and substantiate through specific example(s).

Since its inception the college was affiliated to The University of Burdwan till 23rd June 2015. From 24th June 2015 the college is affiliated to Kazi Nazrul University. According to the prevalent statutory provisions Raniganj Girls' College being an affiliated college does not have any authority to develop its own curriculum and syllabi. However three faculty members of our college are members of the Boards of Studies for different subjects in The University of Burdwan who are instrumental in periodically revising the syllabi of various courses at the UG level. Moreover three faculty members of our college are members of various Boards of Studies in Kazi Nazrul University. Though the college is not empowered to frame its own syllabi, we always try to complement the curricula prescribed by the university by interpolating components as and when necessary. The members of our faculty identify such requirements and take necessary steps accordingly.

1.1.3 What type of support (procedural and practical) do the teachers receive (from the University and/or institution) for effectively translating the curriculum and improving teaching practices?

Raniganj Girls' College provides a conducive ambience for the members of the faculty. The teachers and students of this institution cultivate and foster a mutual relationship of trust, care and respect. The college tries to provide the upgraded library and laboratory facilities to the teachers. Teachers also enjoy the liberty of improvising their teaching techniques by utilizing the modern teaching aids provided to them. Members of the teaching staff are always motivated to engage themselves in research and training programmes.

1.1.4 Specify the initiatives taken up or contribution made by the institution for effective curriculum delivery and transaction on the Curriculum provided by the affiliating University or other statutory agency.

Raniganj Girls' College takes utmost care to ensure that the prescribed curriculum is effectively delivered. The process of curriculum delivery and transaction on the curriculum are constantly monitored by the respective



Departmental Committees comprising the departmental faculty members and the Teachers' Council. Alongside there are also various committees like the Academic Committee, Examination Committee etc which routinely look after and review the processes. Above all the Principal personally interacts with the Heads of the academic departments and the members of the faculty to oversee the processes of curriculum delivery and transaction on the curriculum.

1.1.5 How does the institution network and interact with beneficiaries such as industry, research bodies and the university in effective operationalisation of the curriculum?

There are constraints on us which have stalled this kind of activities. First, we are not empowered to design our curriculum. So no inputs have ever been invited from any other external body. Secondly being a women's college catering mostly to the village students we find it difficult to send them as interns to various organisations. The university curriculum also leaves no room for such activities. However in future we would like to be more focussed on this point.

1.1.6 What are the contributions of the institution and/or its staff members to the development of the curriculum by the University?(number of staff members/departments represented on the Board of Studies, student feedback, teacher feedback, stakeholder feedback provided, specific suggestions etc.

The members of our faculty take active participation in the workshops organised by the affiliating university for developing or restructuring curricula. They provide valuable inputs for curriculum development. Three faculty members of our college are members of the Board of Studies in The University of Burdwan who are instrumental in revising the syllabi of various courses at the UG level. Also three faculty members have been inducted in the Boards of Studies in Kazi Nazrul University for various subjects who will be instrumental in revising the syllabi of various courses at the UG level in future. The present system of the affiliating university does not have any scope for incorporating student feedback or stakeholder feedback. The university system for curriculum development needs radical rethinking and reorientation.



1.1.7 Does the institution develop curriculum for any of the courses offered (other than those under the purview of the affiliating university) by it? If 'yes', give details on the process ('Needs Assessment', design, development and planning) and the courses for which the curriculum has been developed.

Yes. The college has developed curricula for the following courses:

- (i) A Course in Basics of Computer (6 weeks)
- (ii) A Course in Spoken English and Soft Skills (10 hours)

Before introducing the courses, the needs were assessed for the courses through extensive interactions with the students and the teachers of the college. Two teachers of the college were assigned the task of developing and delivering the curricula.

Very recently, a Memorandum of Understanding (MOU) has been signed between NSHM Udaan Skills Pvt. Ltd., and Raniganj Girls' College with the view to conduct skill training programs under the ambit of National Skill Development Corporation (NSDC) approved programme. The following courses are to be conducted at the college centre:

1. Hospitality which includes
 - a. F & B Service (Food and Beverage)
 - b. Front Office Management
 - c. House Keeping
2. Banking
3. Beauty & Wellness
4. Boutique
5. Hardware and Networking
6. Industrial Training Module
7. Handy Craft.

1.1.8 How does institution analyze/ensure that the stated objectives of curriculum are achieved in the course of implementation?

The college periodically monitors curriculum implementation and ensures that the stated objectives of curriculum are achieved. This is done by emphasising regularity in attendance, conducting tutorial classes, interactive lecture sessions, giving assignments to the students, introducing innovation and variety in the evaluation process and thorough analysis of examination results.



1.2 Academic Flexibility

1.2.1 Specifying the goals and objectives give details of the certificate/diploma/skill development courses etc., offered by the institution.

The goals and objectives of the certificate courses offered by Raniganj Girls' College are stated below:

(i) A Course in Basics of Computer (6 weeks)

This course aims at spreading computer literacy among the students and members of the staff of the college. At the point of entry it is assumed that the learner has zero exposure to computers and the internet. The course gradually trains the learner to operate computers for basic functions like word processing, using spreadsheets and surfing and browsing the internet and communicating by emails.

(ii) Course in Spoken English and Soft Skills (10 hours)

The objective of this course is to develop the speaking and listening skills in English at a very basic level. The learners are exposed to authentic English conversations. They are also taught to articulate the authentic English sounds and maintain proper accent and intonation. It is expected that at the exit point the learners will be able to communicate in English for a short period for their day to day requirements.

The component of Soft Skill aims at making the learner a better communicator. The learner is trained to develop the skills of successful interaction with people from various strata of the society in different situations. The learner is also expected to pick up the skills of managing difficult situations through effective communication.

(iii) Very recently, a Memorandum of Understanding (MOU) has been signed between NSHM Udaan Skills Pvt. Ltd., and Raniganj Girls' College with the view to conduct skill training programs under the



ambit of National Skill Development Corporation (NSDC) approved programme. The following courses are to be conducted at the college centre:

- ✓ Hospitality which includes
 - d. F & B Service (Food and Beverage)
 - e. Front Office Management
 - f. House Keeping
- ✓ Banking
- ✓ Beauty & Wellness
- ✓ Boutique
- ✓ Hardware and Networking
- ✓ Industrial Training Module
- ✓ Handy Craft.

1.2.2 Does the institution offer programmes that facilitate twinning/dual degree? If 'yes', give details.

No. There is no provision for such programmes in the prevailing system of the affiliating university.

1.2.3 Give details on the various institutional provisions with reference to academic flexibility and how it has been helpful to students in terms of skills development, academic mobility, progression to higher studies and improved potential for employability. Issues may cover the following and beyond:

- Range of Core / Elective options offered by the University and those opted by the college
- Choice Based Credit System and range of subject options
- Courses offered in modular form
- Credit transfer and accumulation facility
- Lateral and vertical mobility within and across programmes and courses
- Enrichment courses

The college offers a wide range of subjects offered by Kazi Nazrul University leading to BA, BSc and B Com. During admission the college does not impose any restriction on the student in selecting most of her combination subjects. A student is also allowed to change her combination subject if she feels so before the



university registration process. Moreover any student is also allowed to join either or both of the two certificate courses offered by the college to improve her potential for employability. Incidentally it must also be pointed out that very recently, a Memorandum of Understanding (MOU) has been signed between NSHM Udaan Skills Pvt. Ltd., and Raniganj Girls' College with the view to conduct skill training programs under the ambit of National Skill Development Corporation (NSDC) approved programme. The following courses are to be conducted at the college centre:

1. Hospitality which includes
 - a. F & B Service (Food and Beverage)
 - b. Front Office Management
 - c. House Keeping
2. Banking
3. Beauty & Wellness
4. Boutique
5. Hardware and Networking
6. Industrial Training Module
7. Handy Craft.

The questions of CBCS, Credit Transfer and Accumulation Facility and Lateral and Vertical Mobility within and across programmes do not arise as there is no such scope in the prevailing system of Kazi Nazrul University.

1.2.4 Does the institution offer self-financed programmes? If 'yes' , list them and indicate how they differ from other programmes, with reference to admission, curriculum, fee structure, teacher qualification, salary etc.

No. The college does not offer any self-financed course.

1.2.5 Does the college provide additional skill oriented programmes, relevant to regional and global employment markets? If 'yes' provide details of such programme and the beneficiaries.

The college offers two courses of this nature namely (i) Course in Basics of Computer and (ii) Course in Spoken English and Soft Skills. The rationale, aims and objectives of the courses have already been stated.



Very recently, a Memorandum of Understanding (MOU) has been signed between NSHM Udaan Skills Pvt. Ltd., and Raniganj Girls' College with the view to conduct skill training programs under the ambit of National Skill Development Corporation (NSDC) approved programme. The following courses are to be conducted at the college centre:

- ✓ Hospitality which includes
 - a. F & B Service (Food and Beverage)
 - b. Front Office Management
 - c. House Keeping
- ✓ Banking
- ✓ Beauty & Wellness
- ✓ Boutique
- ✓ Hardware and Networking
- ✓ Industrial Training Module
- ✓ Handy Craft.

1.2.6 Does the University provide for the flexibility of combining the conventional face-to-face and Distance Mode of Education for students to choose the courses/combination of their choice” If ‘yes’, how does the institution take advantage of such provision for the benefit of students?

No. There is no distance education department of Kazi Nazrul University. So the question does not arise. Even in the past when the college was affiliated to The University of Burdwan there was no scope provided by the affiliating university to combine the conventional and the distance mode education. However if such an opportunity is provided the college will make optimum use of it.

1.3 Curriculum Enrichment

1.3.1 Describe the efforts made by the institution to supplement the University’s Curriculum to ensure that the academic programmes and Institution’s goals and objectives are integrated?

The curriculum prescribed by the university and the prevalent examination system leaves very little room for supplementation. However our members of the



faculty always endeavour to complement the curriculum by incorporating materials as and when necessary.

The learners are prescribed additional materials which would lead to a better and more comprehensive understanding of the subject.

The teachers also effectively use film and the Internet to supplement the curriculum.

Students are also encouraged to take part in intradepartmental and interdepartmental seminars, publication of wall magazines, debating etc, so that they can explore the areas of knowledge prescribed by the university curriculum from multiple points of view and attain a fuller understanding of the subject.

Seminars and conferences organised by various departments also expose the learners to larger issues which certainly supplement the curriculum.

1.3.2 What are the efforts made by the institution to enrich and organize the curriculum to enhance the experiences of the students so as to cope with the needs of the dynamic employment market?

Our institution is very much conscious of the requirements of the “dynamic employment market”. That is why we have specifically identified two very fundamental areas where the students need to focus more intensively namely computer literacy and spoken English and soft skills.

As stated before, the college designed and developed the following courses keeping in mind the requirements of the dynamic employment market:

- (i) A Course in Basics of Computer
- (ii) Course in Spoken English and Soft Skills

Very recently, a Memorandum of Understanding (MOU) has been signed between NSHM Udaan Skills Pvt. Ltd., and Raniganj Girls’ College with the view to conduct skill training programs under the ambit of National Skill Development Corporation (NSDC) approved programme. The following courses are to be conducted at the college centre:

1. Hospitality which includes
 - a. F & B Service (Food and Beverage)
 - b. Front Office Management
 - c. House Keeping
2. Banking



3. Beauty & Wellness
4. Boutique
5. Hardware and Networking
6. Industrial Training Module
7. Handy Craft.

1.3.3 Enumerate the efforts made by the institution to integrate the cross cutting issues such as Gender, Climate Change, Environmental Education, Human Rights, ICT etc., into the curriculum?

Issues like climate change and environmental education are effectively and elaborately discussed with every student as a part of their compulsory course on Environmental Studies. As a substantial section of the faculty is involved in the course students acquire intensive about the issues. More importantly each student has to compulsorily work on a project report on the issues related to environmental education which subsumes climate change.

Issues like gender and human rights are frequently deliberated upon in the lecture sessions organised by the National Service Scheme as well as in the interdepartmental and intradepartmental seminars organised by various departments.

1.3.4 What are the various value-added courses/enrichment programmes offered to ensure holistic development of students?

§ moral and ethical values

§ employable and life skills

§ better career options

§ community orientation

Development of all round personality is one of our stated goals. The teachers are also well aware of this. Therefore throughout the course of delivering the curriculum moral and ethical values are automatically inculcated in the minds of the learners. Apart from this, moral and ethical values are also instilled among the students through round the year activities of National Service Scheme and National Cadet Corps.

So far as employability and life skills are concerned, the college tries to orient the students through the courses on computer education and spoken English and soft skills. Other external organisations like “The Art of Living” are also invited



to train the students in life skills. Moreover the following courses are also offered at our college in association with NSHM Udaan Skills Pvt. Ltd as a part of the Prime Minister's national skill development programme.

- ◆ Hospitality
 - a) F & B Service (Food and Beverage)
 - b) Front Office Management
 - c) House Keeping
- ◆ Banking
- ◆ Beauty & Wellness
- ◆ Botique
- ◆ Harware and Networking
- ◆ Industrial Training Module
- ◆ Handicrafts

Various training agencies and institutions frequently organise workshops and programmes to make the students aware of better career options.

The regular activities of the National Service Scheme at the adopted villages play a very significant role in orienting the students towards community. They are also encouraged to raise funds for the Prime Ministers National Relief Fund in the wake of calamities.

So all the students of our college benefit from these initiatives and definitely transform themselves as holistic beings during the course of their study.

1.3.5 Citing a few examples enumerate on the extent of use of the feedback from stakeholders in enriching the curriculum?

There is a mechanism in place for eliciting genuine feedback from the students. Such feedbacks are analysed and deliberated upon with due seriousness to modify the teaching-learning process.

Feedback from the teachers is received in the meetings of the Teachers' Council which is a statutory body to advise the Principal in academic and administrative matters. Teachers are also free to convey feedback to the Principal through inter-personal discourse.

The guardians of the students are also encouraged to communicate their feedback to the college authority.



All feedbacks received are considered and discussed with utmost seriousness and appropriate measures are taken accordingly.

1.3.6 How does the institution monitor and evaluate the quality of its enrichment programmes?

The IQAC of the college plays the most important role in this regard. The IQAC constantly monitors and evaluates the feedback from the students and teachers and communicate their suggestions to the Principal.

1.4 Feedback System

1.4.1 What are the contributions of the institution in the design and development of the curriculum prepared by the University?

The members of our faculty take active participation in the workshops organised by the affiliating university for developing or restructuring curricula. Three faculty members of our college are members of the Board of Studies in The University of Burdwan who are instrumental in revising the syllabi of various courses at the UG level. Also three faculty members have been inducted in the Board of Studies in Kazi Nazrul University for various subjects who will be instrumental in revising the syllabi of various courses at the UG level in future. The present system of the affiliating university does not have any scope for incorporating student feedback or stake holder feedback. The university system for curriculum development needs radical rethinking and reorientation.

In addition to this, the teachers of the college also supplement the curriculum depending on the requirements and abilities of the students as and when necessary.

1.4.2 Is there a formal mechanism to obtain feedback from students and stakeholders on Curriculum? If 'yes', how is it communicated to the University and made use internally for curriculum enrichment and introducing changes/new programmes?

There is a well-orchestrated mechanism for obtaining feedback from the students and the teachers. Apart from this students are encouraged to provide feedback informally during interpersonal discussions. Though such feedbacks are used internally for curriculum enrichment and supplementation/complementation,



there is no mechanism for transmitting them to the university. However in the workshops on curriculum design the participating teachers communicate such feedbacks indirectly.

1.4.3 How many new programmes/courses were introduced by the institution during the last four years? What was the rationale for introducing new courses/programmes?)

Any other relevant information regarding curricular aspects which the college would like to include.

During the last four academic years Geography (Honours) course was introduced from the 2012-13 academic session.

It was found that a large number of girl students of our feeder area study Geography at the +2 level and they fare well in the Higher Secondary Examination conducted by the WBCHSE. So there was a great demand for this subject among the student folk. More importantly Geography (Honours) graduates have better opportunities in the job market. As one of our objectives is to empower women through higher education it was decided that Geography (Honours) course be introduced at our college.

Apart from Geography (Honours) other add on courses were introduced during the last four years. They are:

- (i) A Course in Basics of Computer
- (ii) A Course in Spoken English and Soft Skills

Moreover the following courses were also offered at our college in association with NSHM Udaan Skills Pvt. Ltd as a part of the Prime Minister's national skill development programme.

- ◆ Hospitality
 - a) F & B Service (Food and Beverage)
 - b) Front Office Management
 - c) House Keeping
- ◆ Banking
- ◆ Beauty & Wellness
- ◆ Boutique
- ◆ Hardware and Networking



- ◆ Industrial Training Module
- ◆ Handicrafts

In future the college intends to introduce more courses keeping in view their relevance in the contemporary society.





CRITERION II: TEACHING - LEARNING AND EVALUATION

2.1 Student Enrolment and Profile

2.1.1 How does the college ensure publicity and transparency in the admission process?

Ever since its inception, the college has made extensive efforts in giving wide publicity to and maintaining transparency in the admission process.

The institution offers admission to seventeen different disciplines at the undergraduate level which includes both Honours and General courses of study. Consequent upon the declaration of 10+2 results, all relevant information related to the admission procedure are published on the college website, college prospectus and college notice board. The information so provided includes procedure for downloading of admission forms, eligibility criteria, rules and regulations, courses offered, fee structure and all other admission related information. The procedure of preparing the merit list is also explained clearly on the website as well as on the college notice board to ensure transparency. The merit list of candidates selected for admission and the dates for admission are also posted on the college website and college notice board.

Transparency in the admission procedure is ensured in the following manner:

- All rules and regulations pertaining to the procedure of admission are clearly outlined.
- During the entire period of admission i.e. starting from issue of on-line application forms to the completion of the admission procedure, relevant notification is uploaded on the college website as and when required. The same is simultaneously posted on the college notice board.
- To ensure equity and justice, admission is made strictly on the basis of merit.
- In preparation of the merit list there is strict adherence to all government rules and regulation pertaining to reservation of seats in the admission procedure.
- The entire process of admission is conducted under the supervision of the Admission Committee. Admission is carried out in progressive phases



depending upon the availability of vacant seats in a particular discipline at the end of the day. Multiple windows are set up for the scrutiny and verification of the application forms. The admission committee also addresses the different types of queries made by the applicants and their guardians at the time of admission.

- To ensure transparency, there exists a mechanism of collection of fees through a designated bank. Further the admitted candidates receive a receipt and a fee book clearly stating the nature of fees collected from them. A computerized record of fees collection from the students is also maintained with the cash office of the college.

2.1.2 Explain in detail the criteria adopted and process of admission (Ex.(i) merit (ii) common admission test conducted by state agencies and national agencies (iii) combination of merit and entrance test or merit, entrance test and interview (iv) any other to various programmes of the Institution.

In our college, admission to the undergraduate courses of study is made strictly on the basis of merit. A candidate who has passed the Higher Secondary Education conducted by the West Bengal Council of Higher Secondary Education or any other equivalent examination duly recognized by the affiliating university are eligible for admission to the first year of both Honours and General courses. The admission procedure is carried out on the basis of the rules and regulations as laid down by the affiliating university from time to time. Further there is strict adherence to all government rules and regulations pertaining to reservation of seats in the admission procedure of the college. A list of the eligibility criteria for admission to each subject/course is given below.

Table 2.1.2 Eligibility Criteria for admission to different subject/course

Subject/Course	Criterion
BA Honours in English, Bengali, Sanskrit, Hindi, Urdu, History, Political Science, Philosophy, Geography	A minimum of 45% in the aggregate in 10+2 examination and 45% in the subject to which admission is sought
BA/BSc Honours in Economics	A minimum of 45% in the aggregate in 10+2 examination and pass marks in



	Mathematics or Business Mathematics
BSc Honours in Physics and Chemistry	A minimum of 45% in the aggregate in 10+2 examination with 45% marks in the subject to which admission is sought
BSc Honours in Botany, Microbiology and Zoology	A minimum of 45% in the aggregate in 10+2 examination with 45% marks in Biology
BA General BSc General B Com General	Pass marks in the aggregate in 10+2 examination

The Merit list is prepared on the basis of aggregate of marks obtained in two language subjects and three elective subjects (the three best scores). For preparing the merit list for honours subjects the percentage of marks obtained in the subject desired or its allied subject is additionally added to the above aggregate.

2.1.3 Give the minimum and maximum percentage of marks for admission at entry level for each of the programmes offered by the college and provide a comparison with other colleges of the affiliating university within the city/district.

Table 2.1.3 Maximum and Minimum marks for admission at the entry level for each programme/course offered by Raniganj Girls' College

Name of the Programme/ Course	Maximum marks	Minimum Marks
Bengali Honours	406	269
English Honours	454	329
Hindi Honours	404	226
Sanskrit Honours	411	271
Urdu Honours	384	239
Economics Honours	357	306
Geography Honours	435	339
History Honours	433	240



Philosophy Honours	426	232
Political Science Honours	385	240
Chemistry Honours	390	292
Mathematics Honours	410	331
Physics Honours	419	320
Botany Honours	362	229
Microbiology Honours	362	278
Zoology Honours	406	285
BA General	357	150
BSC General	308	204
B Com General	320	208

Due to paucity of data, a comparison with other colleges could not be provided.

2.1.4 Is there a mechanism in the institution to review the admission process and student profiles annually? If ‘yes’ what is the outcome of such an effort and how has it contributed to the improvement of the process?

The Admission Committee of the college is constituted each year to frame, analyze and supervise the admission process and review the student profile. Before the commencement of admission process to the current academic session 2015-16, the following decisions were taken by the admission committee:

- In conformity with government order, the process of admission would be conducted online facilitated by the college website.
- The rules and regulations for admission to be published on the college website.
- Notification about the admission schedule to be uploaded as and when required. The same to be simultaneously posted on the college notice board.
- Each application form submitted online to carry a unique identity number.
- Preparation of the merit list strictly adhering to the government rules and regulation pertaining to reservation of seats for the admission procedure and seat intake capacity of the subject concerned.



- Publication of the merit lists both on the college website and college notice board.
- Counseling of the applicants by the teachers regarding the selection and future prospect of subject.
- Setting up multiple windows for the scrutiny and verification of the application forms.
- The members of the admission committee to address different types of queries made by the applicants and their guardians at the time of admission.
- Depending upon vacancy of seats in a particular subject, permit an admitted student to change her combination subject if she feels so before completion of the university registration process.

The process of on-line admission helped in the smooth conduct of the admission procedure to different courses of study before the commencement of current academic session, 2015-16. The institution's commitment to the inclusion of SC, ST, OBC(A), OBC(B) and differently-abled students is reflected in the students' admission profile. However the demand for subjects like Economics and Commerce has been found to be extremely low. The admission committee has decided to make additional efforts to increase the demand ratio of these subjects during the admission procedure of the next academic session.

2.1.5 Reflecting on the strategies adopted to increase/improve access for following categories of students, enumerate on how the admission policy of the institution and its student profiles demonstrate/reflect the National commitment to diversity and inclusion

- **SC/ST,**
- **OBC,**
- **Women,**
- **Differently abled,**
- **Economically weaker sections,**
- **Minority community,**
- **Any other**

The admission policy of the college is fundamentally inclusive in nature and the admission profile of the students reflects our commitment to student diversity for



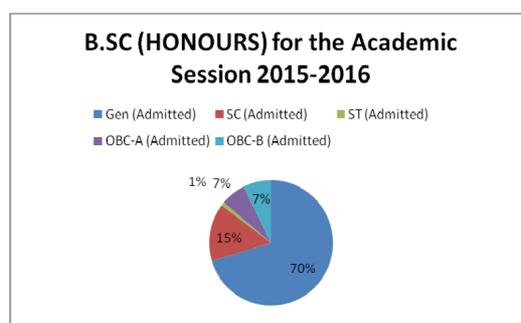
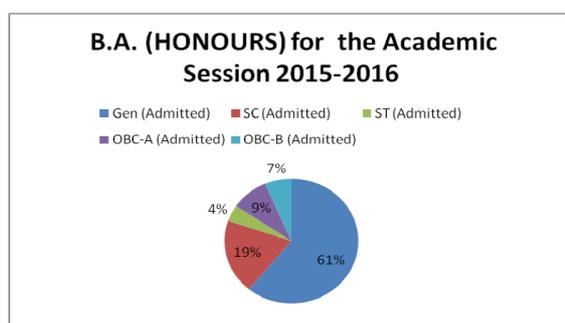
different categories of students namely, SC, ST, OBC, women, differently abled, economically weaker sections, minorities and others.

- As the name itself suggests Raniganj Girls' College is a women's college. Hence with the objective to provide equal access and opportunity to all its women students our commitment towards women in our admission policy is 100%. The college also plans to provide hostel facilities to the girls in the near future irrespective of their socio-economic background.
- The college strictly adheres to the Government of West Bengal rules and regulations pertaining to reservation of seats in admission to higher education institutes for SC, ST, OBC (A) and OBC (B). Of the total seat intake capacity of the college for different courses of study about 22% is reserved for the SC, 6% for the ST, 10% for OBC (A) and 7% for OBC (B) students. This is reflected in the admission profile of the students in the last four academic years as stated in Table 2.1.5a to Table 2.1.5d and their corresponding pie diagrams.

Table 2.1.5 a: Distribution of seats and student admission profile for the academic session 2015-2016

Session 2015-16	Total (I)	Total (A)	Gen (I)	Gen (A)	SC (I)	SC (A)	ST (I)	ST (A)	OBC-A (I)	OBC-A (A)	OBC-B (I)	OBC-B (A)
B.A. (H)	464	354	278	216	102	68	29	15	32	32	23	23
B.Sc (H)	156	108	94	76	34	16	08	01	12	07	08	08
B.A. (G)	840	417	504	258	185	94	50	24	59	20	42	21
B.Sc(G)	76	13	45	11	17	02	5	NIL	5	NIL	4	NIL
B.Com (G)	132	11	79	6	29	1	8	NIL	9	4	7	NIL

*I for Intake, *A for Admitted



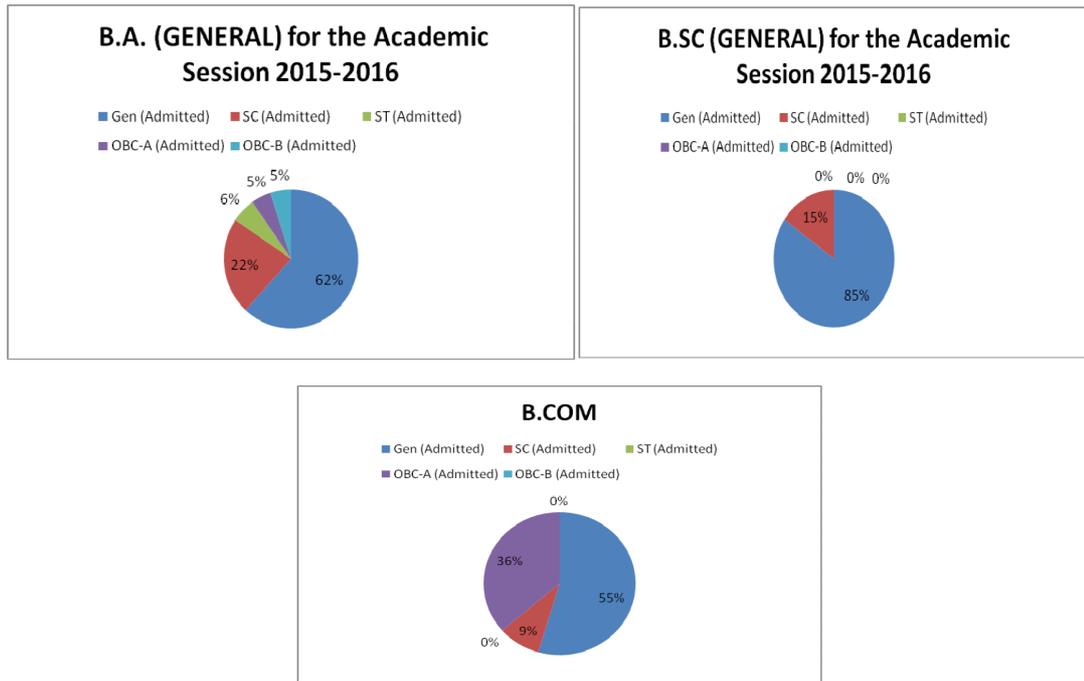
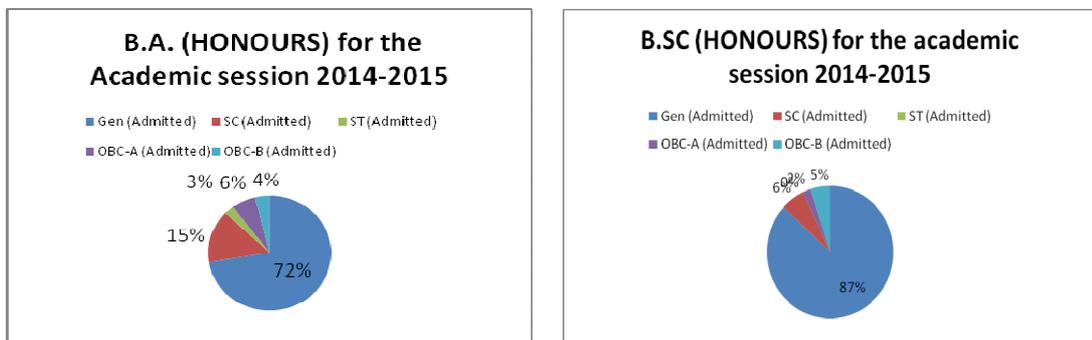


Table 2.1.5b: Distribution of seats and student admission profile for the academic session 2014-2015

Session	Total (I)	Total (A)	Gen (I)	Gen (A)	SC (I)	SC (A)	ST (I)	ST (A)	OBC-A (I)	OBC-A (A)	OBC-B (I)	OBC-B (A)
B.A. (H)	412	235	272	170	87	35	25	06	16	15	9	9
B.Sc (H)	145	98	93	85	33	06	08	NIL	06	02	05	05
B.A. (G)	686	422	450	239	151	103	41	41	26	21	18	18
B.Sc(G)	67	13	43	10	15	NIL	04	NIL	3	01	2	2
B.Com(G)	132	12	87	9	29	1	8	NIL	5	01	3	01

*I for Intake, * A for Admitted



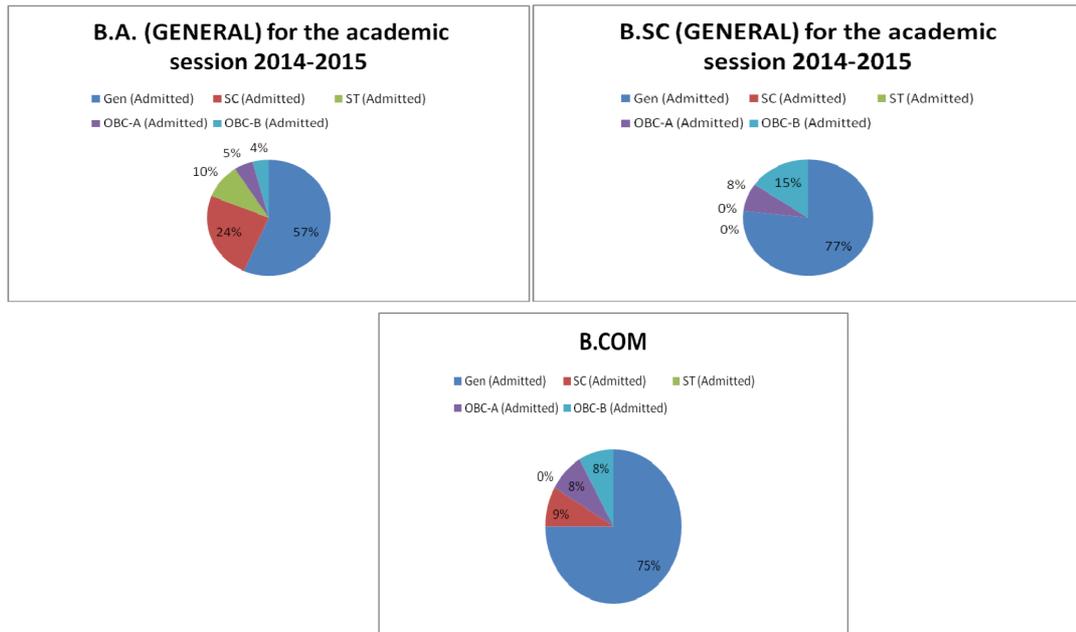
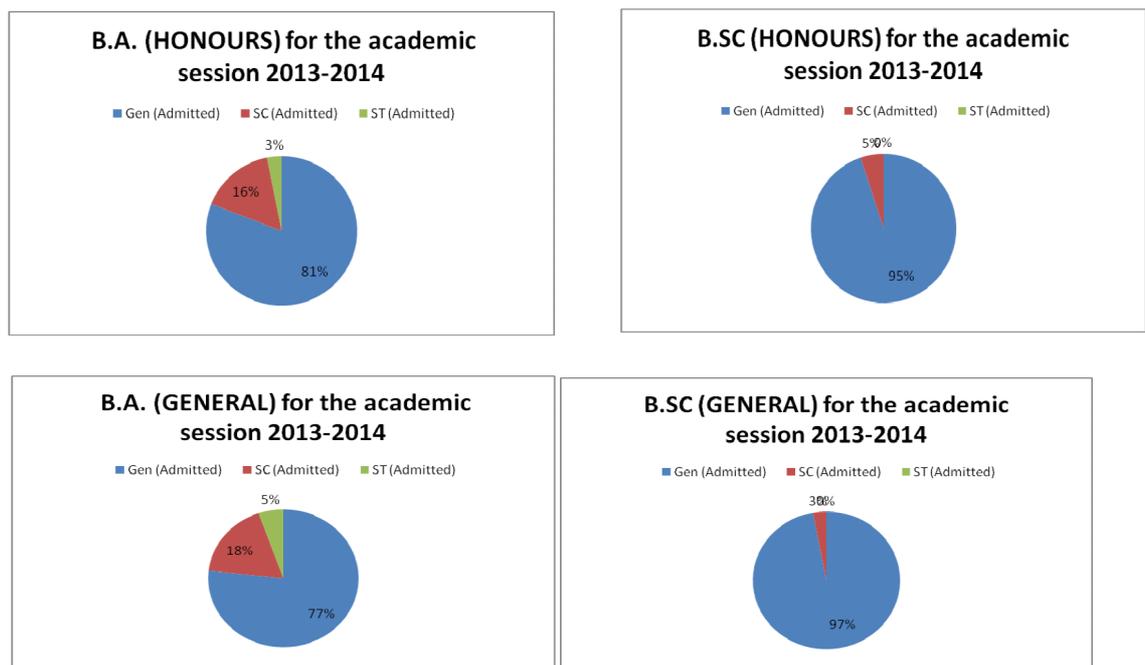


Table 2.1.5c: Distribution of seats and student admission profile for the academic session 2013-2014

Session	Total (I)	Total (A)	Gen (I)	Gen (A)	SC (I)	SC (A)	ST (I)	ST (A)
B.A. (H)	375	225	269	182	83	36	23	7
B.Sc (H)	129	78	93	74	28	4	8	NIL
B.A. (G)	586	486	422	373	129	87	35	26
B.Sc(G)	60	34	43	33	13	1	4	NIL
B.Com(G)	121	14	87	13	27	1	7	NIL

*I for Intake, *A for Admitted



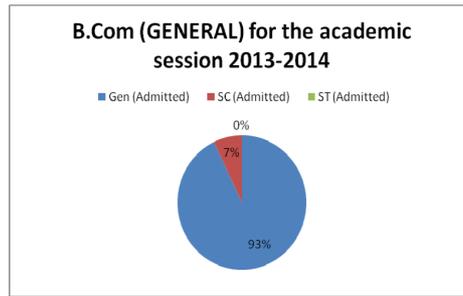
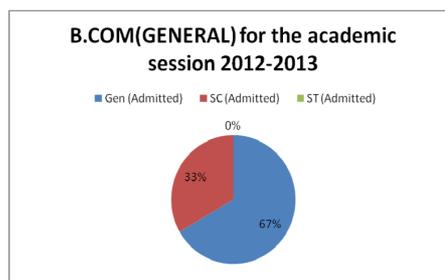
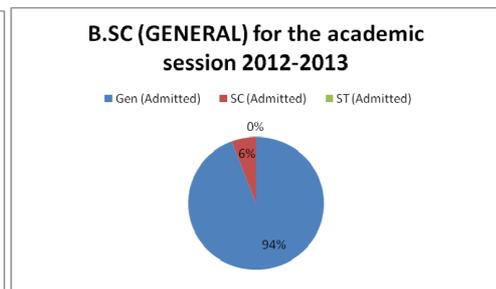
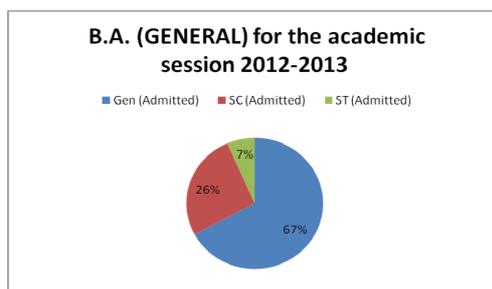
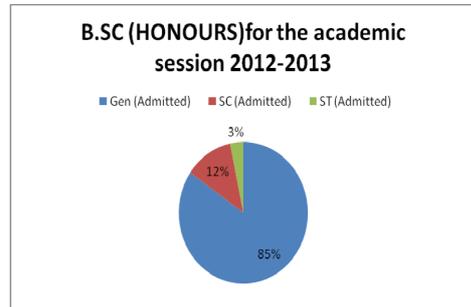
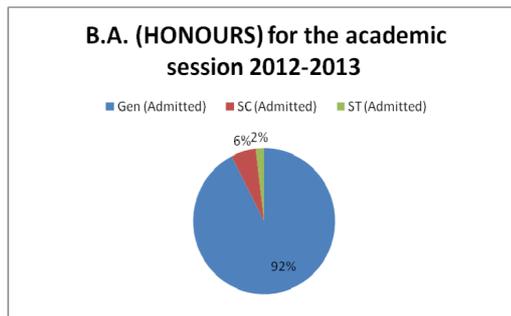


Table 2.1.5d: Distribution of seats and student admission profile for the academic session 2012-2013

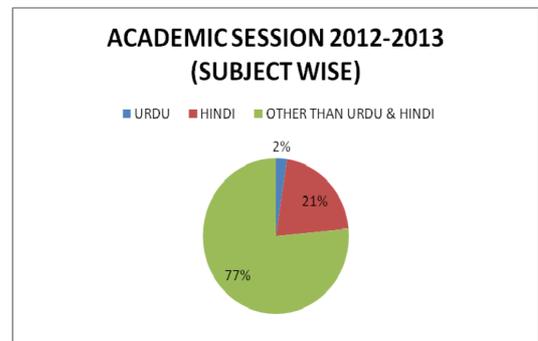
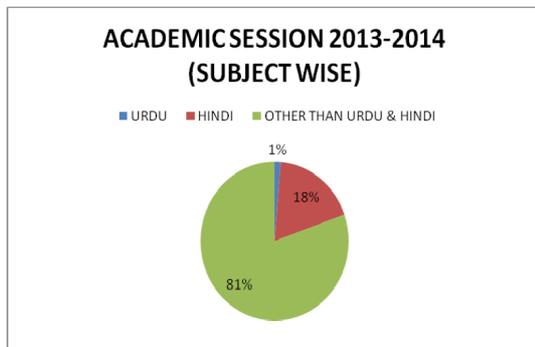
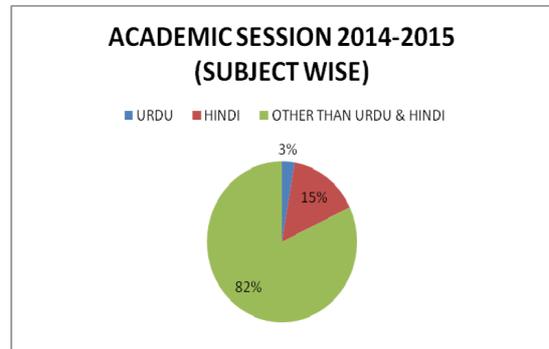
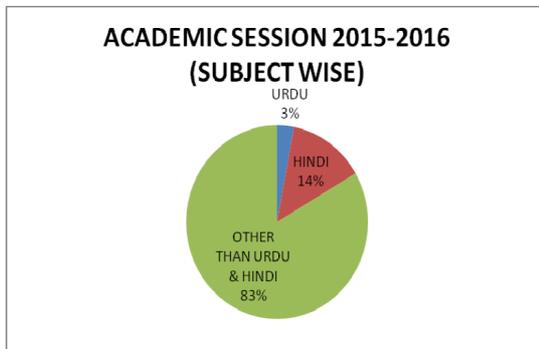
Session	Total (I)	Total (A)	Gen (I)	Gen (A)	SC (I)	SC (A)	ST (I)	ST (A)
B.A. (H)	341	264	246	244	75	15	20	5
B.Sc (H)	115	91	82	77	26	11	7	03
B.A. (G)	534	393	385	264	117	103	32	26
B.Sc(G)	57	17	41	16	13	1	3	NIL
B.Com(G)	100	12	72	8	22	4	6	NIL

*I for Intake, *A for Admitted





- c. During admission to undergraduate courses, the college also strictly adheres to the Government of West Bengal rules and regulations pertaining to 3 percent reservation of seats for the differently abled students.
- d. The college admission form elicits data on the annual family income of the applicant. This gives us an insight into the economic status of the students. Institutional financial assistance and concession is available for the economically weak and underprivileged students of the college. Such students are asked to apply for financial assistance and concession after they get admitted to the college.
- e. Raniganj Girls' College is located in a region characterized by language diversity. Keeping this in view as well as respecting the general local public sentiment, honours and general courses in languages like Hindi and Urdu have been introduced. The following pie diagrams represent linguistic diversity of the student profile during the last four years.





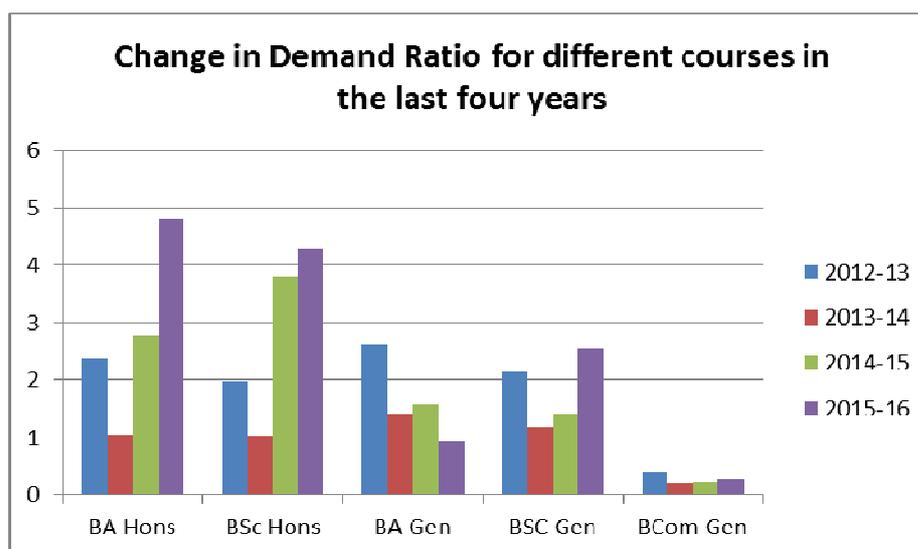
2.1.6 Provide the following details for various programmes offered by the institution during the last four years and comment on the trends. i.e. reasons for increase / decrease and actions initiated for improvement.

The following details for various programmes offered by the institution during the last four years are given below.

- Number of applications
- Intake capacity
- Demand Ratio
- Number of students admitted

Table 2.1.6 Details of the various programmes offered by Raniganj Girls' College

Programme	Number of Applications				Intake capacity				Demand Ratio				Number of students admitted			
	2012-13	2013-14	2014-15	2015-16	2012-13	2013-14	2014-15	2015-16	2012-13	2013-14	2014-15	2015-16	2012-13	2013-14	2014-15	2015-16
BA Hons	808	390	1149	2225	341	375	412	464	2.37	1.04	2.78	4.80	264	225	235	354
BSC Hons	227	132	553	667	115	129	145	156	1.97	1.02	3.81	4.29	91	78	98	108
BA Gen	1401	818	1078	780	534	586	686	840	2.62	1.40	1.57	0.92	393	486	422	417
BSC Gen	122	71	94	196	57	60	67	76	2.14	1.18	1.40	2.57	17	34	13	13
BCom Gen	39	23	30	36	100	121	132	132	0.39	0.19	0.22	0.27	12	14	12	11





It is observed that there is an increase in the demand ratio for BA (Honours), BSc (Honours) and BSc (General) courses. However the demand ratio for BA (General) course shows a declining trend and the demand ratio for B Com General has plateaued over the years. This is due to the fact that in recent years in West Bengal, the demand for professional courses is on the rise as against conventional courses. Viewing this trend, the college has recently signed a Memorandum of Understanding (MOU) with NSHM Udaan Skills Pvt. Limited to facilitate scope for self employment for the students of average merit. The interested students can pursue this opportunity along with their conventional curriculum for undergraduate courses. It has also been observed that a percentage of students aspire to become school teachers and appear in the SSC examination after graduation. So the college also organizes UGC sponsored Coaching for Entry in Services for SC, ST, OBC, Minorities and economically weak students for School Service Commission.

2.2 Catering to Student Diversity

2.2.1 How does the institution cater to the needs of differently-abled students and ensure adherence to government policies in this regard?

- During admission to undergraduate courses, the Government of West Bengal rules and regulations pertaining to 3 percent reservation of seats for the differently abled students are strictly followed.
- The college acts as a facilitator for differently abled students applying for financial aid or any government scholarship.
- Teachers encourage the peer groups to help their differently abled friend in college and library work.
- The college has the provision of a ramp at the entrance of the main building for the physically challenged students.
- Seating arrangement is made on the ground floor for such examinees during college and university examinations.

2.2.2 Does the institution assess the students' needs in terms of knowledge and skills before the commencement of the programme? If 'yes', give details on the process.

The institution assesses the needs of the students in terms of knowledge and skills before the commencement of regular classes for the different courses of study.



This assessment is made on the basis (a) the merit and performance of the student in the 10+2 examination and (b) details about the socio-economic background furnished by the students in their application forms during admission. Moreover the interaction of the teachers with students before the commencement of teaching also helps to understand the knowledge and learning abilities of the students.

2.2.3 What are the strategies adopted by the institution to bridge the knowledge gap of the enrolled students (Bridge/Remedial/Add-on/Enrichment Courses, etc.) to enable them to cope with the programme of their choice?

The institution adopts various strategies to bridge the knowledge gap of the enrolled students which enable them to cope with the programme of their choice.

- The interaction of the teachers with the enrolled students on the very first day of the class helps to identify the general level of proficiency of the class. On the basis of this several introductory lectures are delivered to orient the class towards higher learning.
- During class lectures, the teachers give bilingual explanations and sometimes tri-lingual explanations and repeat their lectures to make learning easier.
- Engaging the students in solving exercises to clarify concepts.
- Recommending text books and reference books for simpler explanation and easier understanding of various topics.
- The teachers also help them with their personal books and provide additional written study material giving.
- The students are also assisted with books and question paper from the book bank and question bank.
- The teachers conduct extra tutorial and remedial classes for slow learners. These classes are usually conducted from January to March of each academic session. Here the teachers try to identify the weakness in their students and subsequently design methods to solve their problems.
- The college also organizes UGC sponsored Remedial Coaching for the under-privileged sections of society

In order to further bridge the knowledge gap and help the students to cope with the demands of the outer world, the college has also developed curricula for (a) A Course



in Basics of Computer and (b) A Course in Spoken English and Soft Skills. These courses help to supplement the general curriculum followed by the students.

2.2.4 How does the college sensitize its staff and students on issues such as gender, inclusion, environment etc.?

Gender Sensitization

- Awareness drive on gender sensitive issues organized by the NSS units of the college
- Seminars organized to address gender issues
- A Women's Harassment Redressal Cell has been established to address issues of harassment of women if such a need arises.

Environment sensitization

- Sensitizing the staff and students on environmental issues.
- Green Policy of the college is publicized
- The green audit of the institution has been completed successfully by the Divisional Forest Officer, Durgapur Division, Directorate of Forest, Government of West Bengal.
- A medicinal garden is maintained by the Department of Botany.
- Planting of saplings and maintenance of the college greenery by the NSS volunteers.

Sensitization towards inclusive attitude

The college encourages both the staff and the students to interact and participate in sports, cultural competition, the annual cultural programme and other outreach activities to nurture an inclusive academic ambience in the college campus. Further the college also organizes a college excursions and departmental tours outside the curriculum towards sensitizing and promoting the spirit of inclusion among the different stakeholders of the college.

2.2.5 How does the institution identify and respond to special educational/learning needs of advanced learners?

The informal interaction of the teachers with specific learners, their excellence in past academic performance, regular attendance in class and their mental agility and inquisitiveness helps to identify the advanced learners of the institution. Once



identified, the college responds to the special educational needs of the advanced learners in the following manner:

- Recommending advanced level reference books.
- Encouraging them to acquire knowledge from web resources.
- Encouraging such students to participate in intra-departmental and inter-departmental seminars.
- Encouraging the advanced learners to participate in co-curricular activities like quiz competition, debates and discussions. They are also encouraged to play a leading role in publication of the departmental wall magazines.
- Motivating these students to explore areas of higher study as well as career options.
- Motivating the students through the award of six endowment scholarships of the institution constituted on the basis of donations made to the college for this purpose.

2.2.6 How does the institute collect, analyze and use the data and information on the academic performance (through the programme duration) of the students at risk of drop out (students from the disadvantaged sections of society, physically challenged, slow learners, economically weaker sections etc.who may discontinue their studies if some sort of support is not provided)?

The institute collects data and information on the academic performance of the students at risk of failure and dropout through regularity in class attendance, general interest shown in the class, internal assessments and the results of the annual test examination conducted in the college. The data and feedback that the college elicits from its learners, by word of mouth, telephonic conversations, feedback form and through social networking, helps to identify the causes of vulnerability of the students who are at risk of failure and drop out.

The college has addressed the above problem through mentoring of the students, meeting the guardians, counselling the students, providing all round academic support and guidance and providing and facilitating financial assistance to the economically weak students.



2.3 Teaching-Learning Process

2.3.1 How does the college plan and organise the teaching, learning and evaluation schedules? (Academic calendar, teaching plan, evaluation blue print, etc.)

The focus of the teaching, learning and evaluation schedule planned and organized by the college is on student centric learning. The various measures adopted in this regard are mentioned below:

Academic Calendar

Before the commencement of each academic session, the college prepares the academic calendar in conformity with the guidelines issued by the university to which the college is affiliated. The academic calendar contains detailed information about the distribution of working days, teaching days, examination days and holidays for each month. This academic calendar is later distributed to the students in each session.

Teaching Plan

The Routine Committee prepares a Master Routine for each academic session and distributes it to all the departments of Humanities, Science and Commerce. The departmental time table for theory classes and practical sessions (wherever applicable) is finalized by the head of the each department in consultation with the other faculty members and is made available to each of them on being approved by the head of the institution. The whole academic session of 12 months starting from July to June divided into three terms - the first term begins from July and continues up to September, the second term commences from October and continues up to December, the third term starts from January and continues up to March after which the University evaluation process commences. The teaching plan stating the proportion of the syllabus to be covered by each faculty member is discipline and department specific.

Teacher's Diary

Every teacher is given a diary before the commencement of the academic year. The contents of the diary are: personal timetable, record of co-curricular and extra-curricular activities and record of leave. The diary is maintained by the teacher to ensure compliance with the academic plans. These diaries are periodically assessed by the head of the institution.



Evaluation Blue Print

The syllabi for the three year undergraduate courses of study are divided by the affiliating university into three parts i.e. Part I, Part II and Part III. Accordingly, the college conducts an internal evaluation system for its students. Till the academic session 2014-15, this evaluation system consisted of class tests and the annual test examination of 100 marks in each paper of each discipline. From the current academic session i.e. 2015-16, the blue print for the internal evaluation pattern has been restructured as follows:

Sl No.	Type of internal evaluation	Weightage of marks
1.	Class test comprising MCQ/ Group Discussion/ Viva Voice	20%
2.	Annual Test Examination	80%

At the end of each academic session, the university examinations for each course of study are conducted separately for each part centrally by the affiliating University and evaluated on the basis of Annual system of examination. This system of evaluation is structured on the basis of 100 marks in each paper in each discipline, the pattern for which is given below:

Type of question	Marks allotted for each question	Total number of questions to be attempted	Total marks
Very short answer type questions	02	08	16
Short answer type questions	06	06	36
Essay type questions	12	04	48
Aggregate			100



2.3.2 How does IQAC contribute to improve the teaching–learning process?

IQAC cell was formed on 5th March, 2013 by resolution No. 08-04 of the Governing Body meeting held on 5th March 2013. The IQAC is the necessary link between the teachers, learners and administration to facilitate and enhance the activities of the college. The cell aims at improving the teaching-learning process of the college in the following manner:

- Identifying and catering to the diverse needs of the students.
- Use of ICT to improve the teaching-learning process.
- Introducing innovative practices in teaching, learning and evaluation processes
- Organizing workshops to improve teaching learning
- Using bi-lingual and multi-lingual strategies for imparting knowledge
- Ensuring adequate laboratory infrastructure in conformity with the university syllabi.
- Organizing seminars, conferences, workshops, educational tours etc.
- Motivating the students and the faculty members to participate in seminars, conferences, workshops etc.
- Motivating each department to publish Departmental Wall Magazines and contribute articles for the publication in the college magazine.
- Encouraging the students and staff to use the library facilities.
- Inspiring the faculty members to be actively engaged in research.
- Making the teachers instrumental in encouraging the students to participate in co-curricular and extra-curricular activities.
- Collecting feedback from different stakeholders and analyse and utilise the information so collected to improve the quality of college activities.

2.3.3 How is learning made more student-centric? Give details on the support structures and systems available for teachers to develop skills like interactive learning, collaborative learning and independent learning among the students?

The teachers of the college use different types of structured mechanisms to facilitate student–centric learning and develop skills like interactive learning, collaborative learning and independent learning among the students. These include:



- Use of ICT facilities in the class room which encourages interaction
- Encouraging the students to ask questions irrespective of the method of teaching adopted.
- Organizing departmental and interdepartmental seminars.
- Screening of films based on the syllabi
- Arranging for field work and excursions in partial fulfilment of the university curriculum
- Promoting educational tours outside the curriculum
- Freedom of the students to independently prepare the projects on Environmental Studies in their third year of study.
- Publishing Departmental Wall Magazine.
- Contributing articles to the college magazine.
- Participating in extracurricular, co-curricular and extension activities.
- Participating in different cultural competitions like recitation, essay writing, quiz, debate, dance, music, fine arts and so on.
- Encouraging the students to showcase their talents in the Annual Cultural Programme on the day of Annual Social.
- Inculcating the spirit of democracy among the students by conducting annual election of the Students' Union.

2.3.4 How does the institution nurture critical thinking, creativity and scientific temper among the students to transform them into life-long learners and innovators?

The college nurtures critical thinking and creativity among the learners through participation in group discussions, students' seminar, interdepartmental seminars, college seminars, conferences and exhibitions. To cultivate creativity among the students, the teachers inspire the students to publish the departmental Wall Magazines, write articles for the college magazine '*Chalisnu Chetana*' and participate in different types of cultural competitions, co-curricular activities of the college and inter-college competition. Field visits, study tours, ENVIS projects and involving the students in the nurturing and maintenance of the medicinal plant garden of the college, develop the scientific temperament among them and transform the students into life-long learners.



2.3.5 What are the technologies and facilities available and used by the faculty for effective teaching? Eg: Virtual laboratories, e-learning - resources from National Programme on Technology Enhanced Learning (NPTEL) and National Mission on Education through Information and Communication Technology (NME-ICT), open educational resources, mobile education, etc.

The technologies and facilities available and used by the faculty members for effective teaching and learning are enumerated below:

- One class room with ICT facility
- Laboratory based departments having computer facilities with different configuration and software which are department specific (like use of Q-GIS, MS Excel 7, MS Word 7, MS Access 7, Tally 7.2, and Fortran 77).
- One central computer laboratory for all departments of the college
- LCD projectors
- Portable audio-visual system
- Screening of films, movies and documentaries based on the curriculum
- Laptop computers
- Computer with internet connectivity
- Sometimes the faculty members use their personal lap-tops and mobile applications to facilitate and impart knowledge to the students.

2.3.6 How are the students and faculty exposed to advanced level of knowledge and skills (blended learning, expert lectures, seminars, workshops etc.)?

The ways in which the students and faculty are exposed to advanced level of knowledge and skills are given below:

Blended learning

The faculty take the help of computer assisted facilities like power point presentations, audio-visual exposure, the internet and e-learning sites to supplement their regular chalk and talk method of teaching.

Seminars/Workshops

Teachers and students alike are exposed to advanced levels of knowledge through the state and national level seminars and conferences, departmental and



inter-departmental seminars and student seminars organized by different departments of the college from time to time. The faculty members and the students are encouraged to actively participate in the conferences, seminars, workshop and training programme organized by different organizations and institutions of higher learning and excellence.

Expert lecturers

The seminars and workshops organized by the college form the platform for exposure of students and teachers to expert lectures of eminent personalities like academicians, scientists, writers and entrepreneurs from institutions of higher learning and excellence.

Educational Tours/ Exhibitions/ Publication of the Departmental Wall

Magazines

Field visit, excursions, educational tours and exhibitions based on curriculum and outside the curricula help the teachers and students to hone their knowledge and skills. The publication of the Departmental Wall Magazine on different topics allow for student interaction and net surfing on the topic concerned which also help the learners in sharpening their knowledge and skills.

2.3.7 Detail (process and the number of students benefitted) on the academic, personal and psycho-social support and guidance services (professional counselling/mentoring/academic advise) provided to students?

The details of the different types of support and guidance services provided by the college are outlined below:

Academic support

During the time of admission each department counsels and guides the students about the candidate's eligibility for the subject and future prospect of the subject chosen by her. The teachers also provide academic and classroom counseling to the students in their respective departments. In doing so, the faculty members also provide academic support in the form of classroom teaching, tutorial classes, remedial classes, setting of model question papers according to the university syllabi, evaluation of answer scripts, providing additional study material and checking the notes prepared by the students themselves. On an average it has been



found that 60.5% of the students are benefited from the academic support provided to the students.

Personal support

Very often the students approach the teachers on issues concerning personal and social problems like carrying fear about examinations, hailing from a weak financial background and so on. The teachers as mentors try to solve the personal problems of the learners. Simultaneously the college comprehensively try to facilitate financial support for the financially weak and disadvantaged students of the different sections of the society. Approximately about 25-30% of the college students receive financial aid from different sources.

Guidance services

The college has a Career Guidance and Placement Cell. This Cell is still in its nascent stage of development. It has an informally designed mechanism where the teachers as mentors believe in confidence building and personality development measures. The Cell from time to time organizes career oriented seminars and recruitment workshops sponsored by different companies who visit our campus. Very recently, a Memorandum of Understanding (MOU) has been signed with NSHM Udaan Skills Pvt. Limited to facilitate scope for self employment for the students of average merit.

The college has also developed curricula for (a) A Course in Basics of Computer and (b) A Course in Spoken English and Soft Skills. These courses not only supplement the general curriculum but also make the students employment ready.

Further the teachers as mentors informally counsel the students and try to create awareness about opportunities in higher education and progression towards employment. It has been found that approximately on an average about 50% of the students' progress to higher education on completing their undergraduate studies.

2.3.8 Provide details of innovative teaching approaches/methods adopted by the faculty during the last four years? What are the efforts made by the institution to encourage the faculty to adopt new and innovative approaches and the impact of such innovative practices on student learning?



Despite the paucity of college funds, the college has encouraged the faculty to adopt new and innovative teaching approaches like use of power point presentations, use of ICT infrastructure, audio-visual techniques of teaching and learning, seminars, workshops, group discussions, hands on session in the laboratories, ENVIS projects, use of films and documentaries in the last four years. The use of these approaches makes learning easier, interesting and attractive for the students.

2.3.9 How are library resources used to augment the teaching learning process?

The library resources of the college are used to augment the teaching learning process. The college library has a rich collection of 21000 books encompassing all disciplines made available to the students during the college hours. Besides, the library also regularly subscribes to different journals, periodicals and newspapers meant for the teachers, students and administrative staff alike. There is a book bank facility consisting of 223 books meant to be availed by the students of the economically backward section of the society. Most departments have Seminar libraries-a facility which is utilized by the students. The library is further augmented through the purchase of new books for the library as requisitioned by each department in each academic year. The college has started the process of full computerization of the library. We are in the process of accessing online journals and books through INFILBNET. We also have plans to provide open access facility to the students as soon as the problem of shortage of library faculty is resolved.

2.3.10 Does the institution face any challenges in completing the curriculum within the planned time frame and calendar? If 'yes', elaborate on the challenges encountered and the institutional approaches to overcome these.

The institution faces the following challenges in completing the curriculum within the stipulated time frame and calendar:

1. Endogenous factors include:
 - Shortage of teachers as 'all sanctioned posts' are not filled up
 - Irregular attendance of students awaiting the declaration of Part I and Part II results of the university examination.
 - Financially weak students
2. Exogenous factors include:



- loss of important teaching days due to elections and
- Deferment of the University examination schedule.

All round efforts are made to overcome the above challenges through: -

- Recruiting of Management approved Part-time teachers to shoulder the excess class-load
- Organizing extra classes and special classes
- Facilitating financial support for the financially weak students.

2.3.11 How does the institute monitor and evaluate the quality of teaching learning?

The IQAC of the institution plays a key role in monitoring and evaluating the quality of teaching and learning process in the college. For this purpose, the IQAC takes help of the following:

- In a given academic year keeps record of the total number of working days, the total number of teaching days, classes held according to the routine formulated, internal evaluation procedure, number of seminars organized, number of excursions , field visits, educational tours and projects organized by the different departments, faculty improvement and up-gradation courses attended by the teachers, the type of research work carried out by the teachers, class attendance of the students and authorized leave of absence of the teachers.
- Feedback about the quality of teaching is taken from the stakeholders and actions taken accordingly.

2.4 Teacher Quality

2.4.1 Provide the following details and elaborate on the strategies adopted by the college in planning and management (recruitment and retention) of its human resource (qualified and competent teachers) to meet the changing requirements of the curriculum.

**Table 2.4.1: Details of the faculty members**

S. No.	Department	Professor /Principal		Associate Professor			Assistant Professor				Govt. Approved Part time Teacher				Management Appointed Part time teacher				Total
		PhD	MPhil	PhD	MPhil	MA/MSc / M.Com	PhD	MPhil	MA/MSc/ MCom	PhD	MPhil	MA/MSc/ MCom	PhD	MPhil	MA/MSc/ MCom	PhD	MPhil	MA/MSc/ MCom	
1	Bengali						1			1		2					1		5
2	English			1							1		1					1	4
3	Hindi			1										2				1	4
4	Sanskrit			1										2				1	4
5	Urdu						2											2	4
6	Economics	1*		1			1												3
7	Geography						1	1				1						3	6
8	History				1									1		2		2	6
9	Philosophy					1	1							2					4
10	Political Science			1								1						3	5
11	Chemistry						1							1	1			2	5
12	Mathematics						1							2					3
13	Physics			1			1											2	4
14	Botany										1			2				2	5
15	Microbiology													1				2	3
16	Zoology						1					1						3	6
17	Commerce													1				1+1	3
Total		1		6	1	1	10	1	2	2	3	17	1	2			27		74

Our institution is a government aided college. It doesnot possess much flexibility in the planning and management of human resources to meet the changing requirements of the curriculum. This is because the policy of recruitment and retention of qualified and competent teachers in all government aided colleges in West Bengal is guided by several clauses. These clauses are enumerated below:



- The eligibility criteria required for recruitment to any teaching post in the college is guided by UGC norms and the rules and regulations laid down by the Department of Higher Education, Government of West Bengal
- The total number of teaching posts to be sanctioned and the net vacancy in each college is decided upon by the Directorate of Public Instruction, Government of West Bengal.
- The nature of the vacancy i.e reserved or unreserved for recruitment of faculty is determined on the basis of 100 point roster of the Backward Classes Welfare Department, Government of West Bengal.
- Recruitment of college teachers on substantive basis is made on the recommendations of the West Bengal College Service Commission and accepted by the Governing Body of the college in accordance with the West Bengal College Service Commission Act.

Till July 2010, the colleges had the flexibility to appoint part time lecturers against vacant sanctioned posts purely on temporary basis and paid their remunerations from the college fund. An order issued by the Government of West Bengal in August 2010 enhanced the security of service of the part-time teachers who were already in service. They were also redesignated as ‘Government approved Part-Time Teachers’. Their age of retirement was fixed at 60 years and their salary is paid from the government exchequer. Because of the prevailing government policy, the college has lost the erstwhile flexibility of recruiting qualified and competent part time lecturers. The only flexibility the college possesses in appointment of teachers is the recruitment of ‘Management Appointed Part Time Teachers’ who are paid out of the college fund on the basis of number of lectures delivered.

2.4.2 How does the institution cope with the growing demand/scarcity of qualified senior faculty to teach new programmes/modern areas (emerging areas) of study being introduced (Biotechnology, IT, Bioinformatics etc.)? Provide details on the efforts made by the institution in this direction and the outcome during the last three years.

The institution copes with the growing demand for faculty members to teach new programme or emerging areas of study by recruiting Management



Appointed Part time Teachers. Their appointment is temporary in nature and they are paid out of the college fund on the basis of number of lectures delivered.

In the absence of full time faculty in certain disciplines, the responsibility of curriculum management in certain departments of the college has been completely addressed and shouldered by Government Approved Part time Teachers with the assistance of Management Appointed Part time Teachers or solely by Management Appointed Part time Teachers for the last six years. Even today in disciplines like Microbiology and Commerce, the same policy for curriculum management is followed. Against this backdrop, the appointment of full time faculty in certain disciplines in the last two years has only partially bridged the gap between the demand for and scarcity of qualified faculty members.

Thus to bridge the gap between the demand for and scarcity of qualified teachers to teach new and emerging areas of study, the total number of Management Appointed Part time teachers in the college has progressively increased to 29 in the last six years. This shown in Table 2.4.2

Table 2.4.2 Management Appointed Part time Teachers recruited during the last six years

S. No	Department	Management Appointed Part time Teachers recruited during the last 6 years
1	Bengali	1
2	English	1
3	Hindi	1
4	Sanskrit	2
5	Urdu	2
6	Geography	3
7	History	4
8	Political science	3
9	Physics	2
10	Chemistry	2
11	Botany	2
12	Zoology	3
13	Microbiology	2



S. No	Department	Management Appointed Part time Teachers recruited during the last 6 years
14	Commerce	2
Total		30

2.4.3 Providing details on staff development programmes during the last four years elaborate on the strategies adopted by the institution in enhancing the teacher quality.

a) Nomination to staff development programmes

S.No	Academic Staff Development Programmes	Number of Faculty
1	Refresher Course	06
2	Orientation Programme	03
3	Staff Training Conducted by the College	10
4	Summer / Winter Schools, Workshops etc	19
5	Faculty Development Programme (FDP)	01

b) Faculty Training programmes organized by the institution to empower and enable the use of various tools and technology for improved teaching-learning

- **Teaching learning methods/approaches**
- **Handling new curriculum**
- **Content/knowledge management**
- **Selection, development and use of enrichment materials -01 (computer)**
- **Assessment**
- **Cross cutting issues**
- **Audio Visual Aids/multimedia**
- **OER's**
- **Teaching learning material development, selection and use**

The College conducts a six week course in Computer Basics. Many teachers of the college have been trained to operate computers and the Internet. The college authority also organises informal sessions in computer operations to provide the



faculty with hands-on experience. This is done according to the requirements of individual teachers. Other informal training programmes have also been organised to acquaint the teachers with the use of multimedia and projection systems to facilitate learner centric teaching.

c) Percentage of faculty participation in Workshops/Seminars/ Conferences

Table 2.4.3: Percentage of faculty participation in Workshops/Seminars/ Conferences

Faculty	Percentage
Invited as resource persons in Workshops / Seminars /Conferences organized by external professional agencies	18%
Participated in external Workshops / Seminars /Conferences recognized by national/ international professional bodies	78%
Presented papers in Workshops / Seminars / Conferences conducted or recognized by professional agencies	51%

2.4.4 What policies/systems are in place to recharge teachers? (eg: providing research grants, study leave, support for research and academic publications teaching experience in other national institutions and specialized programmes industrial engagement etc.)

The policies and systems in the college to recharge the teachers are as follows:

- ◆ The Research Committee of the college encourages the research aptitude of all the faculty members. It motivates the teachers to apply for different research projects available from the different funding agencies and organizations like UGC, DAE, DST, CSIR and so on.
- ◆ To encourage inter-departmental and intra-departmental collaborative research
- ◆ Facilitating the availability of study leave under FDP to complete Ph.D and M.Phil work.
- ◆ Grant of duty leave to participate in Workshops, Seminars, conferences and other training programme.
- ◆ Supporting the teachers in research work leading to academic and research publications



- ◆ Providing necessary infrastructure to organize National and State Level Seminars and Lectures

2.4.5 Give the number of faculty who received awards / recognition at the state, national and international level for excellence in teaching during the last four years. Enunciate how the institutional culture and environment contributed to such performance/achievement of the faculty.

No faculty member of the college has received any such award or recognition.

2.4.6 Has the institution introduced evaluation of teachers by the students and external Peers? If yes, how is the evaluation used for improving the quality of the teaching-learning process?

There is a mechanism in place for eliciting genuine feedback regarding the teaching-learning process from the students. Further during the process of placement and promotion of a teacher, the faculty is evaluated by external peers consisting of the subject expert from the affiliating university and government officials representing the Department of Higher Education, Government of West Bengal.

The feedbacks collected from the students analysed and deliberated upon with due seriousness to modify and improve the teaching-learning process of the college. The opinion of the external peers after evaluation helps the teachers to identify their weakness and subsequently take steps to overcome the same.

2.5 Evaluation Process and Reforms

2.5.1 How does the institution ensure that the stakeholders of the institution especially students and faculty are aware of the evaluation processes?

The college ensures that the stakeholders of the institution especially students and faculty are aware of the evaluation process through the following ways:

- Prospectus
- Official notices circulated to both teachers and students in the class
- Notices about the evaluation pattern are posted on the college notice board
- The teachers elaborate to the students on the annual system of evaluation by the university in their first year of study.



- Awareness is built in the students of laboratory based disciplines about the process of practical examination and evaluation conducted by the university in their subjects.
- Awareness is also created among the stakeholders about the annual evaluation system of the college consisting of a class test of 20 marks and the annual test examination of 80 marks for each paper of each discipline.
- Evaluated answer scripts are shown to the students by the departmental teachers. The errors in answering pattern are pointed out and suggestions given to overcome these errors.
- All notification and circulars from the affiliating university are also posted on the college notice board
- Awareness is also created about the process of review of answer scripts conducted by the university if any examinee is dissatisfied with her university result.

2.5.2 What are the major evaluation reforms of the university that the institution has adopted and what are the reforms initiated by the institution on its own?

Earlier the three year undergraduate courses of study of the affiliating university were divided into two parts i.e. parts one and two. A student had to appear in the Part-I examination at the end of the second year of her three year course. The Part-II examination was conducted at the end of the third and final year of the undergraduate course. A few years ago the university brought about major reforms in this system of examination. **The major evaluation reforms initiated by the university in recent years that the college has adopted are as follows:**

- The undergraduate courses of study are now divided into three parts i.e. Parts I, II and III. At the end of each academic session, the university examinations for each course of study are conducted separately for each part centrally by the affiliating University and evaluated on the basis of Annual system of examination. Thus according to this present system a student has to appear in the university examinations at the end of each academic year.



- The nature of questions have been changed from solely broad essay type questions to a combination of very short answer type questions, short answer type questions and essay type questions.

The blue print of evaluation made by the affiliating university is given below. This system of evaluation is structured on the basis of 100 marks in each paper in each discipline, the pattern for which is given as follows:

Type of question	Marks allotted for each question	Total number of questions to be attempted	Total marks
Very short answer type questions	02	08	16
Short answer type questions	06	06	36
Essay type questions	12	04	48
Aggregate			100

The college has also initiated some internal evaluation reforms. Till the academic session 2014-15, this evaluation system consisted of class tests and a separate annual test examination for 100 marks in each paper of each discipline was held at the end of each academic session. From the current academic session i.e. 2015-16, the blue print for the internal evaluation pattern for each paper of each Part in each discipline has been restructured as follows:

Sl No.	Type of internal evaluation	Weightage of marks
1.	Class test comprising MCQ/ Group Discussion/ Viva Voice	20%
2.	Annual Test Examination	80%

Further, supplementary examinations are conducted for those students who fail to appear in the annual test examination.



2.5.3 How does the institution ensure effective implementation of the evaluation reforms of the university and those initiated by the institution on its own?

The college by its status of an affiliated college is statutorily bound to effectively implement the evaluation reforms initiated by the affiliating university.

The effective implementation of the evaluation reforms initiated by the institution is done through the mechanism that exists for conducting examinations in the college. The class tests are discipline specific, the dates for which are scheduled by the individual departments as and when required. The annual test examinations are conducted centrally the college. For the smooth and efficient conduct of the annual test examination separate examination committees comprising the teachers are constituted for each Part in the meeting of Teachers' Council. These examination committees look into the different aspects of examination i.e. making preparations for examination, drawing up invigilation schedules, timely printing of question papers, conducting examinations as per schedule, tabulation of marks and declaration of results. In the entire process non-teaching staff of the college also extend their full support and co-operation.

2.5.4 Provide details on the formative and summative assessment approaches adopted to measure student achievement. Cite a few examples which have positively impacted the system.

The formative assessment of the students of the college is a continuous process carried out all throughout the year. This process involves

- Informally judging the response of the students in regular classes,
- Conducting class tests which involve MCQ tests, group discussions and viva voce.
- Student seminars
- ENVS Project assignments
- Laboratory work and field visits of practical based departments
- Study tours and excursions of other than practical based disciplines.

Finally, the annual Test examination is held by the College, few months before the University examination. These papers are evaluated by the College teachers. Among all the above assessment methods, the only scores obtained in class tests are added to



the annual test examination. This annual Test examination is like a preparatory examination for the students before appearing in the final university examination. However it should be mentioned here that the formative assessment methods have no direct bearing on summative assessment process except for ENVIS project assignments, laboratory work and field visits where it forms a part of the university evaluation process.

The summative assessment process i.e. the final assessment of the performance of the student at the undergraduate level is held at the end of each academic session. The university examinations for each course of study are conducted centrally by the affiliating University. The evaluation of the answer scripts of the university examination is carried out by examiners appointed by the university.

The different assessment methods have positively impacted the system. This is reflected in the student progression to higher studies and employment in different institutions which have not been facilitated through campus recruitment. Some of our erstwhile students are self employed and some are employed in Raniganj Girls' College in different capacity.

2.5.5 Detail on the significant improvements made in ensuring rigor and transparency in the internal assessment during the last four years and weightages assigned for the overall development of students (weightage for behavioral aspects, independent learning, communication skills etc).

The measures adopted by the college to ensure rigour and transparency in the internal assessment process are as follows:

- Results of class tests are communicated to the students and the result of the annual Test examination are displayed on the college notice boards.
- After internal evaluation, the assessed answer scripts of class test and test examinations are shown to the students. The evaluator addresses and solves any doubt expressed by the examinee about their assessed answer scripts.

There is no mechanism for a quantified weightage for behavioural aspects, independent learning, communication skills and so on. However quantified weightage exists only for the internal evaluation process whereby 20% of the total marks are assigned for class tests and 80% marks for the annual test examination for each paper in



each discipline which helps in assessing the overall knowledge skills acquired by the students.

2.5.6 What are the graduate attributes specified by the college/affiliating university? How does the college ensure the attainment of these by the students?

The graduate attributes specified by the college and affiliating university can be stated as follows:

- Empowerment through knowledge acquisition,
- Achieving excellence in co-curricular and extracurricular activities,
- Inculcating an inclusive attitude towards the institution and society,
- Fostering global competency

The college ensures the attainment of the above attributes by the students in the following manner:

- Encouraging the students to regularly attend their class lectures
- To make the class lectures interesting through PowerPoint presentations and screening of films and documentaries, departmental and inter departmental seminars.
- Conducting internal evaluation to assess the knowledge and skill of the learner.
- Creating awareness about opportunities in higher education among the learners.
- Motivating the students to participate in various competitions within and outside the college. It increases self-confidence and creates optimism.
- Encouraging the students to participate in extension activities like NSS and NCC. This cultivates discipline, team spirit and a sense of accountability and integrity.
- Giving responsibility to the Students' Union to organize the Annual Athletic Meet, the Annual Social Function and publish the college magazine 'Chalishnu Chetana' teaches them coordination and cultivates leadership, management skills and develops humanitarian attitude towards the society.
- The involvement of the students in the publication of Departmental Wall Magazines and participation in group discussions and all types of seminars



and workshops encourages creative thinking, help them to recognize opportunities and sharpen their communication and interactive skills.

- Helping the students to forget their failures and move forward in life make them resilient.
- To join skill development courses conducted by the college and courses conducted by NSHM Udaan Skills Pvt.Ltd. in the college. This makes them employment ready and fosters the spirit of global competency

2.5.7 What are the mechanisms for redressal of grievances with reference to evaluation both at the college and University level?

The mechanisms in place for the redressal of grievances with reference to evaluation both at the college and University level are enumerated below:

- After internal evaluation, the assessed answer scripts of class test and test examinations are shown to the students. The evaluator addresses and solves any doubt expressed by the examinee about their assessed answer scripts.
- Supplementary examinations are conducted for those students who fail to appear in the annual test examination.
- The Teacher's Council also plays an important role in not only formulating policies related to the internal evaluation process, but also in redresses the grievances of the students by discussing their problems in its meetings in order to solve them.
- The guardians of the students are met by the teachers and the Principal to hear their grievances about the internal evaluation system and are counselled accordingly.
- Awareness is also created among the students about the process of review of answer scripts conducted by the university if any examinee is dissatisfied with her university result.
- The examinee can also elicit information from the university under the Right to Information Act, if she is dissatisfied with university evaluation process.
- The teachers, who are members of the BOS (Boards of Studies) of the affiliating University share their views, suggestions and grievances regarding the evaluation process of the university.



2.6. Student performance and Learning Outcomes

2.6.1 Does the college have clearly stated learning outcomes? If ‘yes’ give details on how the students and staff are made aware of these?

The intended learning outcome of the college is ‘empowerment of women through knowledge acquisition, skill development and transformation in attitude towards the institution and the society’. The mechanisms by which the students and the staff are made aware of the learning outcome of the college are as follows:

- Introductory class of the different disciplines.
- Principal’s address on the day of Fresher’s Welcome
- Meeting of the Teacher’s Council
- Meeting of the Principal with the non-teaching staff
- Parent Teacher’s meeting
- Formal and informal interaction of the students with the teachers and the non-teaching staff.
- Seminars and conferences
- ‘Quote of the week’ and ‘Word’ of the day written on display boards.

2.6.2 Enumerate on how the institution monitors and communicates the progress and performance of students through the duration of the course/programme? Provide an analysis of the students results/achievements (Programme/course wise for last four years) and explain the differences if any and patterns of achievement across the programmes/courses offered.

The institution monitors and communicates the progress and performance of the students throughout the duration of the course of study through

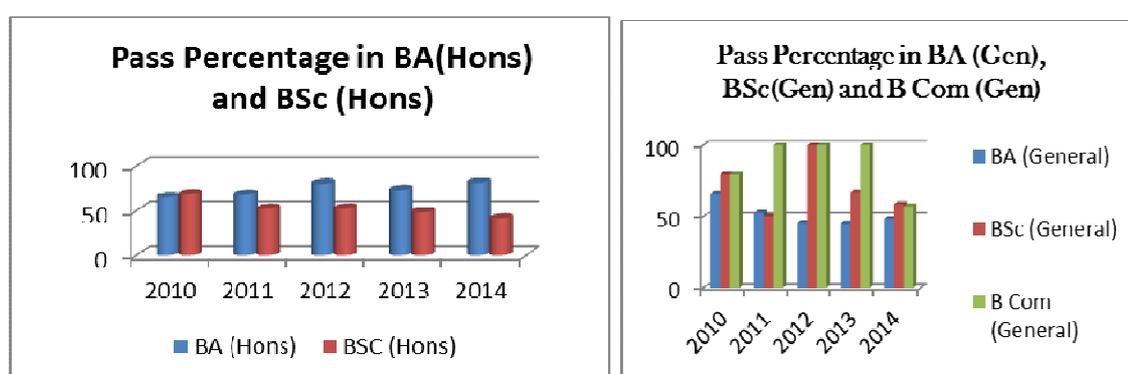
- a. Classes held as per routine
- b. Conducting internal assessment of the students through class tests and annual test examination and subsequent publication of the results of internal assessments on the college notice board.
- c. The University examination conducted centrally by the university at the end of each academic session and publication of university results

The following table provides the programme-wise result of the students in the last five years.



Table 2.6.2 Programme-wise pass percentage in the last five years

Year	Course of Study				
	BA (Hons)	BSC (Hons)	BA (General)	BSc (General)	B Com (General)
2010	65.7	68.8	65.8	80.0	80.0
2011	68.2	52.3	53.1	50.0	100.0
2012	80.4	52.6	45.8	100.0	100.0
2013	73.5	48.8	45.5	66.6	100.0
2014	81.6	41.7	48.2	58.3	57.0



The analysis of the results over five years indicate that in certain courses there has been a 100% pass percentage. As much as this is a moment of pride for the institution and the teachers, however, an uneven trend in the pass percentage of certain courses is also observed. This is an outcome of the social pressure for early marriage of the girl children. Thus the teachers continuously try to build self-confidence in the students and convince the parents to allow their wards to complete their courses of study. Some success is reflected in the overall increasing trend of pass percentage in the BA (Hons) Course between 2010 and 2014. On an average, it has been determined that about 60.5% of the students have completed their undergraduate courses of study in the last five years.

2.6.3 How are the teaching, learning and assessment strategies of the institution structured to facilitate the achievement of the intended learning outcomes?

The teaching, learning and assessment strategies of the institution are structured in an all comprehensive manner to facilitate the achievement of the intended learning outcome of empowerment of women.



Empowerment through knowledge

The teaching-learning process of the college addresses a diverse student fraternity coming from different socio-economic backgrounds and possessing different levels of learning abilities. Hence to empower the women of all strata with sound knowledge the teachers during class lectures give bilingual explanations and sometimes tri-lingual explanations and repeat their lectures to make learning easier. The teachers also help them with their personal books and provide additional written study material. The students are also engaged in participatory learning activities like group discussions, student seminars and publication of the departmental wall magazine. The teachers also informally counsel the students and try to inculcate values and instil self confidence in them

Empowerment through skill development

With a view to make the girls self sufficient or ready for the job market, the college encourages the students to join skill development courses conducted by the college and courses conducted by NSHM Udaan Skills Pvt.Ltd. in the college.

Empowerment through subjective assessment

Formative and summative methods of assessment help the students only to hone their educational skills. Subjective assessment and value judgement develop the latent skills in the girls and encourage them to participate in co-curricular, extra-curricular and extension activities. The talented students so identified are trained and encouraged to participate in competition and programme conducted outside the college.

2.6.4 What are the measures/initiatives taken up by the institution to enhance the social and economic relevance (student placements, entrepreneurship, innovation and research aptitude developed among students etc.) of the courses offered?

- The measures and initiatives taken up by the college to enhance the social and economic relevance of the courses offered are:
- During the time of admission, the teachers counsel the applicants regarding the selection and future prospect of subject.



- Laying emphasis on completion of the three year undergraduate courses leading to a graduate degree, often the minimum qualification required for employability in both government and private sectors.
- The curriculum of the humanities discipline contains certain topics relevant in the global context. Discussions on these topics brings out the social relevance of these courses
- Practical based curriculum develops an analytical mind.
- The College laboratories and the Library help the students to develop an innovative attitude by allowing them to learn independently.
- To join skill development courses conducted by the college and courses conducted by NSHM Udaan Skills Pvt.Ltd. in the college. This makes them employment ready and fosters the spirit of global competency and employability.
- Motivating the students to participate in various competitions within and outside the college. It increases self-confidence and creates optimism.
- Encouraging the students to participate in extension activities like NSS and NCC. This cultivates discipline, team spirit and a sense of accountability and integrity.
- The responsibility of the Students' Union to organize the Annual Athletic Meet, the Annual Social Function and publish the college magazine 'Chalisanu Chetana' teaches them coordination and cultivates leadership and management skills.
- The involvement of the students in the publication of Departmental Wall Magazines and participation in group discussions and all types of seminars and workshops encourages creative thinking and innovation, help them to recognize opportunities and sharpen their communication and interactive skills.

2.6.5 How does the institution collect and analyse data on student performance and learning outcomes and use it for planning and overcoming barriers of learning?

The institution collects data on student performance and learning from:

- a. Teacher-student interaction
- b. Internal evaluation and assessment
- c. Meeting the guardians



- d. University results
- e. Feedback

The college analyses the formal data and informal information so collected to identify the

- a. The diverse nature of the problems of the learners
- b. The needs to bring about improvement in the teaching-learning process.

The barriers of learning are overcome in the following manner:

- Bilingual and trilingual explanation of the class lectures
- Repeating class lectures to make learning easier
- Helping the students with books and additional written study material.
- Conducting tutorial and remedial classes
- Meeting the guardians
- Modification in the internal evaluation pattern of the college
- Making the class lectures more interesting through power point presentation screening of films and documentaries, organizing seminars and group discussions

2.6.6 How does the institution monitor and ensure the achievement of learning outcomes?

The institution monitors and ensures the achievement of learning outcomes through the IQAC, Academic committee, Examination Committee, Welfare Committee, Library committee, Sports committee, Cultural committee, Magazine committee, Canteen committee and the NSS and NCC units of the college. These bodies ensure the achievement of the learning outcome in the following manner:

- Preparation of class schedule or routine on the basis of which classes are held.
- Conducting the internal evaluation and assessment process.
- Smooth conduct of university examination process.
- Ensuring student participation in seminars, workshops and conferences organized in the college.
- Facilitating financial aid and concession for the economically weak students.
- Encouraging the students to use the library and reading room facilities of the library.



- Motivating the students to participate in sports and games.
- Inspiring the students to participate in cultural activities of the college.
- Encouraging the students to contribute articles to the students' magazine *Chalishnu Chetana* and publish the departmental wall magazines.
- Providing cheap yet quality food in the college canteen which can sustain their learning temperament throughout the day.
- Encouraging participation in extension activities like the NSS and the NCC.
- Enrolling in the skill development courses conducted in the college.

2.6.7 Does the institution and individual teachers use assessment/evaluation outcomes as an indicator for evaluating student performance, achievement of learning objectives and planning? If 'yes' provide details on the process and cite a few examples.

The institution and individual teachers use the following assessment and evaluation outcomes as an indicator for evaluating student performance, achievement of learning objectives and planning:

- Scores obtained in internal assessment
- University examination results
- Overall response of a learner to lectures and presentations
- Response during departmental and inter-departmental seminars
- Cooperation of the learners in participatory learning like publication of the wall magazine of the department.
- Participation in sports and cultural activities
- Certificates and awards received for participating in competition and other activities within and outside the institution.

The successful application of evaluation or assessment outcome as an indicator for evaluating student performance, achievement of learning objectives and planning is reflected in the progression of students to higher studies and employment in different institutions which have not been facilitated through campus recruitment. Some of our erstwhile students are self employed and some are employed in Raniganj Girls' College in different capacity.





CRITERION-III: RESEARCH, CONSULTANCY AND EXTENSION

3.1. Promotion of Research

3.1.1 Does the institution have recognized research center/s of the affiliating University or other agency/organization?

The institution does not have any recognized research centre of the affiliating university or other agency or organization.

3.1.2 Does the institution have research committee to monitor and address the issues of the research? If so, what is its composition? Mention a few recommendations made by the committee for implementations and their impact.

The institution has a Research Committee constituted in 2013 to monitor and address the issues of research.

The composition of the research committee is as follows:

- | | |
|---------------------------------------------------------------------------|----------------|
| 1. Dr. Chhabi De, Principal
(Ex-officio) | :Chairperson |
| 2. Prof. Sanjib Pandey, Associate Professor of Botany
Nominee | :University |
| 3. Dr. Sikha Banerjee, Associate Professor of Physics
Nominee | :University |
| 4. Dr. Swarbhanu Mitra, Associate Professor of Economics | :Member |
| 5. Dr. Anita Mishra, Associate Professor of Hindi | :Member, G. B |
| 6. Dr. Alok Kumar De, Associate Professor of Physics | :Convener |
| 7. Dr. Narayan Chandra Datta,
Associate Professor of Political Science | :Member, G. B. |
| 8. Dr. Narayan Ray, Assistant Professor of Chemistry | :Member |
| 9. Dr. Pritha Goswami, Assistant Professor of Economics | :Member |
| 10. Dr. Laxminarayan Sahoo,
Assistant professor of Mathematics | :Member, G. B. |
| 11. Dr. Saumendra Sankar Desarkar,
Assistant Professor of Physics | :Member |



Recommendations of the Committee:

- ◆ To encourage the faculty members towards academic excellence.
- ◆ To encourage the teachers who are yet to pursue their PhD to register forthwith.
- ◆ To encourage inter and intra departmental collaborative research by the faculty members; (i) those who have already completed their PhD and (ii) those who are yet to be registered for the same.
- ◆ To motivate the faculty members to apply for research projects funded by different agencies and organizations like UGC, DAE, DST, CSIR, UGC-DAE-CSR etc.
- ◆ To apprise the interested faculty members to get his or her application for proposal for a research project recommended by the Research Committee as recommendation of the Research Committee is mandatory before the proposal is forwarded for submission to the relevant funding agency/organization.
- ◆ To stimulate and appreciate inter-disciplinary research endeavours through collaborative seminars and conferences.

Impact

- The committee considers the research proposals for submission to different funding agencies.
- Monitors the progress made in ongoing research projects.
- Organization of collaborative seminars in the college.

3.1.3 What are the measures taken by the institution to facilitate smooth progress and implementation of research schemes/projects?

The measures taken by the institution to facilitate smooth progress and implementation of research schemes or projects are:

- **Autonomy to the principal investigator:** Full autonomy is given to the Principal Investigator for smooth running of the research project.
- **Timely availability or release of resources:** The funds sanctioned by different agencies for carrying out research are released as soon as the amount is credited to the savings bank account of the college.



- **Project work in History:** The students of the department of History have carried out different projects outside their curriculum which greatly enriched them. A list of these projects is given below.

Year	Topic of the Project
2008	Searsole Rajbari, its past and present
2011	Raniganj Rail Station – A Heritage
2014-2015	Mela of Pir Baba, Raniganj

- **Exposure to seminars and conferences:** A number of departments of our college frequently organize seminars and conferences where academicians and researchers of eminence from institutions of higher learning and excellence have been invited to the institution as resource persons. An exposure to the lectures and presentations during these seminars and conferences and interaction with resource persons also open up the mind of the learners.
- **Excursions and Educational tours:** The different departments of the college like Geography, Botany, Zoology, Physics and History have organized educational tours, field visits and excursions to fulfil the requirements of curriculum and sometimes to enrich the students beyond the scope of the curriculum. This orients the students towards scientific and analytical thinking and opens up new areas of learning.

Table 3.1.4 List of Educational Tours and Field visits organized by different Disciplines of the college

Department	Place of excursion/field visit	Year of visit	Area of study
Zoology	Durgapur State Poultry Farm	2008	To study Poultry farming
	Sundarban National Park	2010	To study local biodiversity
	Digha Beach	2012	To study seashore biodiversity
	Vizag Beach	2014	To study seashore biodiversity
Botany	Gunjan Ecological Park	2011	To study and collect Floral
	Gunjan Ecological Park	2012	Diversity of the area



Department	Place of excursion/field visit	Year of visit	Area of study
	Haripur Colliery and Sonapur Bazari Project	2011	To study different Rock Formation and Palacobotanical Specimen Coalfield Area
	Haripur Colliery and Sonapur Bazari Project	2012	
	Pelling and Gangtok	2013	To study <i>in situ</i> floral diversity of Cryptogamia and Phancrogamia in Eastern Himalaya
	Lava and Kalimpong	2014	To study the local flora of Cryptogamia in Eastern Himalaya
	Botanical Survey of India, Shibpur, Kolkata	2015	To study and observe floral diversity and Central National herbaria
	Darjeeling and Pelling	2015	To study the local flora of Cryptogamia in Eastern Himalaya
Geography	Bathanbari	2010	Socio-Eonomic and Land use Survey
	Narayankudi	2011	
	Nupur	2012	
	Sahebganj	2013	
	Lava, Lolegaon & Rishop	2014	
	Nupur	2014	
	Durgapur	2015	
History	Santiniketan, Sriniketan & Khoai in the district of Birbhum, W. B.	2012	Handicraft Khoai Livelihood of tribal people
	Bishnupur in the district of Bankura, W. B.	2013	Terra Cota Temple Architechure
	Garh Panchakot in the district of Purulia, W. B.	2014	History of Panchakot Raj
	Hetampur in the district of Birbhum, W. B.	2015	Cultural and educational contributions of the Hetampur Raj



Name of the Faculty member with Department	Name of the research scholar	Topic of Research	Status of scholar	Registered with
		Me Rajnitik Chetna	scholar	Hindi/A/24/1(4) Dt. 21/4/2014
	Sudha Sharma	Rajkamal Choudhary Ke Hindi Aur Maithili Ke Katha-Sahitya Mein Samaj	Part-time Research scholar	The University of Burdwan Hindi/A/25/1(4) Dt. 21/1/2014
Dr. L. N. Sahoo, Assistant Professor, Mathematics	Avishek Banerjee	Studies on some evolutionary algorithms and applications in reliability optimization.	Full time Research scholar	Jadavpur University Vide letter no. D-7/E/75/14 dated 03.02.2014

- **Faculty involved in research projects**

Dr Alok Kumar De, faculty member of the Department of Physics and Dr Laxminarayan Sahoo, faculty member of the Department of Mathematics are actively engaged in leading different research projects or had been engaged in doing so in the last four years. A summary of these research projects is given below in Table 3.1.5b.

Table 3.1.5b: Faculty involved in Research Projects

Sl. No.	Name of the Principal Investigator	Title of the Project	Name of the funding agency.	Duration
01	Dr. Laxminarayan	[Minor Research Project] Studies On Reliability	University Grants	14.12.2010 – 13.06.2012



Sl. No.	Name of the Principal Investigator	Title of the Project	Name of the funding agency.	Duration
		[Ref. No. F.PSW-011/07-08 (ERO) dated 21.02.2008].		
04	Dr Alok Kumar De Department of Physics	<i>Impact of industrial and mining operations on drinking water quality in Raniganj Coalfield area of West Bengal.</i> [Ref. No. 892(Sanc.)/ST/P/S&T/13G-7/2008, dated 23.03.2009.	Department of Science & Technology, Govt. of West Bengal	Since March/April, 2009. Continuing.
05	Dr Alok Kumar De Department of Physics	<i>Study of Orbiting and Anomalies in $^{12}\text{C} + ^{89}\text{Y}$ and $^{16}\text{O} + ^{89}\text{Y}$.</i> [Modified Title: <i>Study of nuclear temperature and reaction mechanism from different fragment spectra in the mass region $A \sim 100$</i> [Ref. No. UGC-DAE-CSR-KC/CRS/2009/NP-TIFR02/, Dated June 23 rd 2010.]	UGC-DAE Consortium for Scientific Research, Kolkata Centre	Completed.



- **Faculty involved in individual research activity**

One of the faculty members, Sima Mandal of the Department of Botany, has submitted her research thesis for PhD work to North Bengal University and some of the faculty members of the college are presently pursuing PhD research work in different universities. A list of which is given below.

Table 3.1.5 c: Faculty involved in individual research activity

Name of the Department	Name of the faculty members	Name of the University
English	Santanu Niyogi	Banaras Hindu University
	Tista Dawn	The University of Burdwan
Hindi	Sanjay Paswan	Visva Bharati
	Bijoy Kumar Choubey	Visva Bharati
Urdu	M Halim	The University of Burdwan
	Reshma Khatoon	The University of Burdwan
Geography	Sreenita Mondal	Jawaharlal Nehru University
History	Amrita Mitra	Rabindra Bharati University
Botany	Kheyali Sarkar	The University of Burdwan
	Baisakhi Mukherjee	The University of Burdwan
Microbiology	Ansuman Ray	Jharkhand Rai University
Commerce	Sukumar Paitandi	The University of Burdwan

- **Faculty involved in collaborative research activity**

Dr Alok Kumar De, faculty member of the Department of Physics has also been engaged in collaborative research activities as shown in Table 3.1.5d below:

Table 3.1.5d Details of collaborative research activity

S.No.	Name of the faculty	Title of the Project	Duration	Collaborating with
1.	Dr Alok Kumar De	Study of Orbiting and Anomalies in Nuclear Reactions.	1997-2003	Dr. A. Ray (Principal Investigator), VECC



S.No.	Name of the faculty	Title of the Project	Duration	Collaborating with
				(DAE), Calcutta, W.B.
2.	Dr Alok Kumar De	Back-angle study in medium mass nuclei.	1999-2004	Dr. A. Ray (Principal Investigator), VECC (DAE), Calcutta, W.B.
3.	Dr Alok Kumar De	The ongoing BaF ₂ program at VECC, Kolkata.	Since 2002. Continuing.	Dr. S. R. Banerjee (Principal Investigator), VECC (DAE), Calcutta, W.B.
4.	Dr Alok Kumar De	Change of decay rate of ¹⁰⁹ In and ¹¹⁰ Sn in different media.	December, 2005. Continuing.	Dr. A. Ray (Principal Investigator), VECC (DAE), Calcutta, W.B.

3.1.6 Give details of the workshops/ training programmes/ sensitization programmes conducted/ organized by the institution with focus on capacity building in terms of research and imbining research culture among the staff and students.

The institution has not conducted or organized any workshop, training programme or sensitization programme with focus on capacity building in terms of research and imbining research culture among the staff and students.

3.1.7 Provide details of prioritized research areas and the expertise available with the institution.

The table below provides prioritized research areas of the faculty members and the expertise available within the institution.

**Table 3.1.7 Prioritized research areas of faculty members**

Department	Name of the Faculty member	Prioritized research area
	Dr. Chhabi De, Principal	Agroeconomic Analysis
Bengali	Arnab Saha	Bengali Literature of 19 th Century
	Tushar Kanti Banerjee	Sahitye Lokogaan O Lokosanskriti in Rarh Area
Botany	Sima Mandal	Medicinal plants
Chemistry	Narayan Ray	Solvation interaction
	Bidhan Chandra Mahata	Water pollution
Commerce	Sukumar Paitandi	Credit Co-operative Societies in Eastern Coal Field
English	Sucheta Mukherjee	American Studies
	Santanu Niyogi	Renaissance Studies
	Tista Dawn	Indian Fiction
Economics	Swarbhanu Mitra	Farm Planning in West Bengal
	Pritha Goswami	Environmental Economics
Geography	Sreenita Mondal	Political Economy of land acquisition
	Rituparna Ghosh	Urban Governance
Hindi	Anita Mishra	Nirala aur Nagarjun Ki Kavita Mei Vyangya: Tulnatmak Adhyayan
	Sanjay Paswan	Katha-Sahitya
	Bijay Kr. Choubey	Markandya Ki Kahaniyan me Gram Jivan
History	Jyotika Waghela	Modern Indian History
	Latika Sarkar	Ancient Indian History
	Amrita Mitra	Cultural History (Group Theatre Movement)
Mathematics	Laxminarayan Sahoo	Optimization in Uncertain Environment, Mobile Computing
Microbiology	Ansuman Ray	Microbiological & Molecular Biological Techniques
Philosophy	Malay Ray	Indian Philosophy & Psychology
Political Science	Narayan Chandra Datta	Indian Politics and Administration



Department	Name of the Faculty member	Prioritized research area
Physics	Alokkumar De	Few-body problems in Nuclear Physics: Orbiting; Nuclear temperature & Fission lifetime.
	Saumendra Sankar De Sarkar	Nonlinear Dynamics of electronic circuits
Sanskrit	Mitali Basu	Vedanta Darshan
Urdu	Md. Farooque Azam	Urdu Literature in Bengal
	Farzana Shaheen	Problems of women in Urdu short story
Zoology	Umesh Chandra Halder	Molecular Signaling during virus infection
	Chinmoy Chatterjee	Freshwater ecology, Aquatic toxicology

3.1.8 Enumerate the effort of the institution in attracting researchers of eminence to visit the campus and interact with teachers and students.

Quite a number of departments of our college frequently organize seminars and conferences where academicians and researchers of eminence from institutions of higher learning and excellence have been invited to the institution as resource persons. The interaction of these eminent personalities with both teachers and students alike greatly enriched the college and opened up new vistas of learning and research. Table 3.1.8 gives a list of the eminent academicians and researchers who have visited our institution.

Table 3.1.8 List of eminent academicians who have visited our college.

Name of the eminent personality	Associated with	Year
Dr. Bikash Sinha	Ex-Director, VECC, Kolkata Padmabhushan Awardee (2001)	2010
Dr. Martin Kampchen	International Rabindra Scholar and German author	2011
Dr. Barid Baran Ghosh	Professor, Srigopal College, Hoogly	2011
Dr. Jayanti Chattopadhyay	Professor, Delhi University	2011



Name of the eminent personality	Associated with	Year
Dr. Shankar Bhattacharya	Professor, Mizoram University	2011
Dr. Alok Chakraborty	Professor, The University of Burdwan	2011, 2014
Dr Syed Tanveer Nasreen	Professor, Department of History ,University of Burdwan	2011
Swami Shastragyananda Maharaj	Principal, Rama Krishna Vidyamandir, Belur Math	2014
Swami Varupananda Maharaj	Rama Krishna Mission, Asansol	2014
Dr. Ram Dulal Bose	Ex-Professor, TDB College	2011, 2014
Dr. Manoj Chakraborty	Ex-Professor, TDB College	2011, 2014
Dr. Abdus Samad	Ex-Professor, TDB College	2011, 2014
Dr. Shakti Sadhan Mukhopadhyay	President, Bangiya Sahitya Parishad, Kolkata	2014
Professor Joydeb Sarkhel	Department of Commerce, Burdwan University	2005,2007, 2008, 2010
Dr Bhaskar Chattopadhyay	Department of History , Burdwan University and Director Bharata Vidaya Charcha Kandra	2005, 2007, 2010
Dr Ananda Bhattacharya	Assistant Director , West Bengal State Archives, Kolkata	2007
Dr Suchibrata Sen	Dept. of History, Visva Bharati	2007, 2010, 2011
Dr Jolly Bagchi	Scholar of History and Music	2011
Dr Deepk Kumar	ICHR	2011
Dr Smriti Kumar Sarkar	Vice Chancellor, The University of Burdwan	2010
Prof Amit Mallik	Ex- Vice Chancellor, The University of Burdwan	2005, 2007, 2010
Dr. R. K. Bhandari	VECC, Kolkata	
Dr. Ajit Kumar Sinha	UGC-DAE-CSR, Kolkata	



Name of the eminent personality	Associated with	Year
Dr. S. R. Banerjee	VECC, Kolkata	2010
Dr. A. Ray	VECC, Kolkata	
Dr. Sailajananda Bhattacharya	VECC, Kolkata	
Dr. G. Mukherjee	VECC, Kolkata	
Dr. Alok Chakrabarti	VECC, Kolkata	
Dr. Asimananda Goswami	SINP, Kolata	
Prof. B. Ghosh	The University of Burdwan	
Dr. Jan-e Alam	VECC, Kolkata	
Dr. Subhasis Chattopadhyay	VECC, Kolkata	
Dr. C. Bhattacharya	VECC, Kolkata	
Prof. Dinesh Kumar Srivastava.	VECC, Kolkata	2012
Dr.Sailajananda Bhattacharya.	VECC, Kolkata	
Dr. S. R. Banerjee.	VECC, Kolkata	
Dr. V. S. Pandit.	VECC, Kolkata	
Dr. Amlan Ray.	The University of Burdwan	
Prof. Dr. B. Ghosh.	SINP	
Prof. Asimananda Goswami.	VECC, Kolkata	
Dr. C Bhattacharya.	VECC, Kolkata	
Dr.Subhasis Chattopadhyay	VECC, Kolkata	
Dr. Jan-e Alam.	VECC, Kolkata	
Dr. Arup Bandyopadhyay.	VECC, Kolkata	
Dr. Gopal Mukherjee.	VECC, Kolkata	
Dr. Rajarshi Raut.	UGC-DAE-CSR	
Dr. Prabir Banerjee.	Presidency University	
Dr. Surajit Pal.	VECC, Kolkata	
Dr. Kaushik Bannerjee.	VECC, Kolkata	
Dr. Deepak Pandit.	VECC, Kolkata	
Prof. Mohit Bhattacharyya	Ex-V.C., The University of Burdwn	2011



Name of the eminent personality	Associated with	Year
Prof. Nimai Paramanik	The University of Burdwan	2011
Prof. Jay Tilak Guha Roy	Professor, IIPA, New Delhi	2011
Prof. Prabhat Dutta	Centenary Professor, Dept. of Pol. Science, Calcutta University	2011
Prof. Himangshu Ghosh	Chairman, The West Bengal College Service Commission.	2011
Prof. Apurba Mukhopadhyay	Professor, Netaji Institute for Asian Studies, Kolkata	2011
Prof. Rama Kundu	Prof. of The University of Burdwan.	2007
Prof. Mihir Bhattacharya	Prof. Jadavpur Univ.	2007
Prof. Sukriti Ghosal	Principal , MUC Women's College, Burdwan	2015
Dr. Indrani Deb	Principal , Nistarini College	2007
Prof. Shahnaz Nabi	(Iqbal Chair Prof.), Dept. of Urdu, University of Calcutta	2015
Dr. Md. Iqbal	Asst. Prof. Dept. of Urdu, Hoogly Mohsin College	2015
Dr Vimal Chandra Singh	Ex-Prof. BU	2015
Dr Ram Pukar Mishra	Ex-teacher, TDB College, Raniganj	2015

3.1.9 What percentage of the faculty has utilized Sabbatical Leave for research activities? How has the provision contributed to improve the quality of research and imbibe the research culture on the campus?

There are provisions for availing of sabbatical leave by the members of the faculty for pursuing research activities. The details of the faculty members of the college who have utilized sabbatical leave for research activities are shown in Table 3.1.9. It



was estimated that about **9.1 percent** of the faculty members utilized sabbatical leave for research activities in the last four years.

Table 3.1.9 Sabbatical leave utilized for research activities

Period	Name of the faculty member	Department	Type of sabbatical leave
01.09.2012 to 31.08.2014	Santanu Niyogi	English	Ph. D. (UGC Teachers' Fellowship under FDP)
June 2011	Laxminarayan Sahoo	Mathematics	Study Leave
01.02.2005 to 30.6.2005	Narayan Chandra Datta	Political Science	Study Leave
07.07.2000 to 31.03.2002	Tushar Kana Hazra	Political Science	FDP under UGC
1993-1994	Jyotika Waghela	History	FIP under UGC NDP
24.12.91 to 19.12.92	Tushar Kana Hazra	Political Science	FIP under UGC NDP
02.01.1987 to 01.01.1990	Suchismita Dasgupta	Bengali	Study leave
19.09.1986 to 18.09.1987	Sumita Choudhury	English	Study leave

The facility for sabbatical leave has improved the research ambience of the college.

3.1.10 Provide details of the initiatives taken up by the institution in creating awareness/ advocating/ transfer of relative findings of research of the institution and elsewhere to students and community (lab to land).

The institution takes initiatives and creates awareness through the transfer of the findings of research by making the publications of the faculty members available



to the interested learners and researchers. Further if a research project involves collection of data from the local area, the findings are conveyed to concerned local authorities.

For example,

- The findings of the environmental research project of the college on drinking water quality in Raniganj Coal Field Area were conveyed to Raniganj Municipality.
- During one survey of the adopted villages, the students of the National Service Scheme of our college, found that the ICDS (Integrated Child Development Services) room for conducting classes was not well ventilated. This matter was brought to the notice of Raniganj Municipality (now under Asansol Municipal Corporation). Subsequently, the civic authorities took adequate action for proper ventilation of the class room.

3.2 Resource Mobilization for Research

3.2.1 What percentage of the total budget is earmarked for research? Give details of major heads of expenditure, financial allocation and actual utilization.

There is no budgetary provision for research activities. All research activities carried out by the faculty members in the college are usually personal endeavours. Moreover the research projects are financed by different funding agencies and organizations.

3.2.2 Is there a provision in the institution to provide seed money to the faculty for research? If so, specify the amount disbursed and the percentage of the faculty that have availed the facility in the last four years.

The college has no provision for providing seed money to the researchers under prevailing circumstances.



3.2.3 What are the financial provisions made available to support student research projects by students?

Raniganj Girls' College is an undergraduate college. Hence there is no financial provision made available to support student research projects by the students.

3.2.4 How do the various departments/units/staff of the institute interact in undertaking interdisciplinary research? Cite examples of successful endeavors and challenges faced in organizing interdisciplinary research.

- The informal interaction of the faculty members of different departments provides gainful insight into different areas of interdisciplinary research and study
- Participation in seminars and conferences organized by the college open up new vistas of interdisciplinary research
- Carrying out interdisciplinary research projects

Examples of interdisciplinary research project on environment carried out by the faculty members from different science disciplines of the college, is given below

Table 3.2.4 Interdisciplinary research projects of the college

S.No.	Title of the project	Funding agency	Disciplines of the college involved
01	Impact of industrial and mining operations on drinking water quality in Raniganj Coalfield area of West Bengal Sanction No. 892(Sanc.)/ST/P/S&T/13G-7/2008, dated 23.03.2009.	Department of Science & Technology, Govt. of West Bengal	Physics, Chemistry, Zoology, Microbiology
02	National Environmental Awareness Campaign on Biodiversity Conservation during --2007-2008. [Sanction Order No.:	Ministry of Environment & Forests (Government of India)].	Physics, Chemistry, Zoology, Microbiology



S.No.	Title of the project	Funding agency	Disciplines of the college involved
	SFR/NEAC/3906/56/WB-475/2007 dated 01.12.2007.]	Regional Resource Agency: School of Fundamental Research, Kolkata	
03	Pollutant Scavenging by some Macrophytes & Microphytes in Lotic Waterbody. [Approved by Raniganj Girls' College]	Self-financing	Physics, Chemistry, Zoology, Microbiology

3.2.5 How does the institution ensure optimal use of its various equipment and research facilities by its staff and student?

- The various laboratory equipments and infrastructure of the college have been designed on the basis of the curricula for undergraduate courses of the affiliating university. Thus the equipments are optimally used for teaching the students of undergraduate courses.
- The books and equipments used by any faculty member for their research projects are kept with the college and made accessible to the other teachers for use.

3.2.6 Has the institution received any special grants or finances from the industry or other beneficiary agency for developing research facility? If yes, give details.

The college has not received any such grant.

3.2.7 Enumerate the support provided to the faculty in securing research funds from various funding agencies, industry and other organizations. Provide



details of ongoing and completed projects and grants received during the last four years.

Table 3.2.7 Details of research projects in the last few years

Name of the Principal investigator/ Coordinator	Duration Year From To	Title of the project	Name of the funding agency	Total Grant		Total grant received till date
				Sanctioned	Received	
Nature of the project: Minor projects						
Laxminarayan Sahoo	14.12.2010 to 13.06.2012	Studies On Reliability Optimization Problems By Genetic Algorithm	UGC	1,12,000	91,000	91,000
Alokkumar De	01.04.2008 to 31.03.2009	Study of Orbiting and Anomalies in Nuclear Reactions in the mass region $A = 100$.	UGC	30,000	15,000	15,000
Nature of the project: Interdisciplinary projects						
Alokkumar De	Since March/ April, 2009. Continuing	Impact of industrial and mining operations on drinking water quality in Raniganj Coalfield area of West Bengal.	Department of Science & Technology Govt. of West Bengal	1,50,000/-	53,000/-	53,000
	20.12.2007 to 15.03.2008.	National Environmental Awareness Campaign on Biodiversity	[Project Proposal approved by: Ministry of Environment	5,000	5,000	5,000



Name of the Principal investigator/ Coordinator	Duration Year From To	Title of the project	Name of the funding agency	Total Grant		Total grant received till date
				Sanctioned	Received	
		Conservation during --2007-2008.	& Forests (Government of India)]. Regional Resource Agency: School of Fundamental Research, Kolkata			
Any other Projects						
Alokkumar De	With effect from 01.07.2010. Completed	<i>Study of Orbiting and Anomalies in $^{12}C + ^{89}Y$ and $^{16}O + ^{89}Y$.</i> <i>[Modified Title: Study of nuclear temperature and reaction mechanism from different fragment spectra in the mass region A ~100]</i>	UGC-DAE Consortium for Scientific Research, Kolkata Centre	25,000/- Per year for contingental expenses of the P.I. + stipend for one scholar.	25,000/-	25,000



3.3 Research Facilities

3.3.1 What are the research facilities available to the students and research scholars within the campus?

The college is an undergraduate college with no research facilities available for the students. The college does not have any research scholar as there is no provision for any research facility for the research scholars.

3.3.2 What are institutional strategies for planning, upgrading and creating infrastructural facilities to meet the needs of researchers especially in the new and emerging areas of research?

This is not applicable to our institution.

3.3.3 Has the institution received any special grants or finances from the industry or other beneficiary agency for developing research facilities? If 'yes' what are the instruments/facilities created during the last four years?

None

3.3.4 What are the research facilities made available to the students and research scholars outside the campus/other research laboratories?

None

3.3.5 Provide details on the library/information resource center or any other facilities available specifically for the researchers, for example, Laboratories, library, instruments, computers, new technology etc.?

The library facilities available to the faculty members engaged in research are:

- The Central Library of the College houses more than 21,000 books and subscribes to journals which can be accessed by the researchers.
- Resources of Seminar Libraries of individual Departments are also available for the researchers.
- Access to online research journals through INFLIBNET-NLIST is available.
- Desktop computers connected through LAN.
- Printing and photocopying facilities at a cheap rate.



3.3.6 What are the collaborative research facilities developed/ created by the research institutes in the college? For example, Laboratories, library, instruments, computers, new technology etc.

None

3.4 Research Publications and Awards

3.4.1 Highlight the major research achievements of the staff and students in terms of

- **Patents obtained and filed (process and product)**

None

- **Original research contributing to product improvement**

Nil

- **Research studies or surveys benefiting the community or improving the services**

- a. The environmental research project of the college on drinking water quality in Raniganj Coal Field Area made an extensive survey of the status of drinking water in the Raniganj Coal Field area. The findings of the project were later conveyed to the erstwhile Raniganj Municipality (now under Asansol Municipal Corporation) with the notion that such findings would arrest the incidence of water borne diseases in that region and thus would benefit the local community at large.
- b. During one survey of the adopted villages, the volunteers of the National Service Scheme of our college, found that the ICDS (Integrated Child Development Services) room for conducting classes was not well ventilated. This matter was brought to the notice of Raniganj Municipality (now under Asansol Municipal Corporation). Subsequently, the civic authorities took adequate action for making the class room well ventilated.

- **Research inputs contributing to new initiatives and social development**

None



**3.4.2 Does the institute publish or partner in publication of research journal(s)?
If 'yes', indicate the composition of the editorial board, publication policies and
whether such publication is listed in any international database?**

The institute does not publish or partner in publication of research journals.

3.4.3 Give details of publications by the faculty and students.

A summary of the publications of the faculty members is given in Table 3.4.3; the details of which is given in 'Annexure on Publications'.

Table 3.4.3 Publications of the faculty members

Name of the Department	Name of the faculty members	Publications in journals (National/ International)	Chapters in Books	Books authored / edited	Publication in seminar proceedings	Total number of Publications Per faculty member
	Dr Chhabi De, Principal	08	--	--	--	08
Bengali	Arnab Saha	18	06	09	--	33
	Tushar Kanti Banerjee	--	03	02	--	05
	Soma Mukherjee	--	01	--	--	01
	Chandrani Mukherjee	--	02	--	--	02
English	Sucheta Mukherjee	04	--	01	--	05
	Santanu Niyogi	01	02			03
	Tista Dawn	03	--	--	01	04
Hindi	Anita Mishra	--	02	--	--	02
Sanskrit	Mitali Basu	--	01	--	--	01
Urdu	Md. Farooque Azam	02	--	--	09	11
	Farzana Shaheen	05	--	01	03	09
Economics	Pritha	--	02	--	--	02



Name of the Department	Name of the faculty members	Publications in journals (National/ International)	Chapters in Books	Books authored / edited	Publication in seminar proceedings	Total number of Publications Per faculty member
	Goswami					
Geography	Sreenita Mondal	--	01	--	--	01
	Rituparna Ghosh	07	01	--	--	08
History	Jyotika Waghela	03	--	05	--	08
	Latika Sarkar	--	--	02	02	04
	Mousumi Mitra	--	03	--	--	03
	Amrita Mitra	01	04	--	--	05
	Anamika Saiji	--	01	--	--	01
Philosophy	Malay Ray	02	02	--	01	05
Political Science	Narayan Chandra Datta	--	02	01	01	04
	Sucheta Kundu	--	01	--	02	03
Chemistry	Narayan Ray	06	01	--	--	07
	Bidhan Chandra Mahatha	--	01	--	--	01
Mathematics	Laxminarayan Sahoo	18	07	01	--	26
Physics	Alokkumar De	33	02	--	91	126
	Saumendra Sankar Desarkar	04	01	--		05
Botany	Sima Mandal	02	--	--	--	02
	Baisakhi Mukherjee	01	--	--	--	01
	Kheyali Sarkar	02	--	--	--	02
Microbiology	Ansuman Ray	02	01	--	04	07
Zoology	Umesh Chandra	10	--	--	03	13



Name of the Department	Name of the faculty members	Publications in journals (National/ International)	Chapters in Books	Books authored / edited	Publication in seminar proceedings	Total number of Publications Per faculty member
	Halder					
	Chinmoy Chatterjee	05	01	--	04	10
Commerce	Sukumar Paitandi	02	01	--	02	05

3.4.4 Provide details (if any) of

- **Research awards received by the faculty members**

Table 3.4.4a Research awards received by the faculty

Department	Number of teachers awarded Ph.D.
Bengali	02
English	01
Hindi	01
Sanskrit	01
Urdu	02
Economics	03
Geography	01
Philosophy	01
Political Science	01
Chemistry	01
Mathematics	01
Physics	02
Zoology	02



- Recognition received by the faculty from reputed professional bodies and agencies, nationally and internationally

Table 3.3.4b Recognitions received by the faculty from reputed professional bodies and agencies

Sl. No.	Name of the faculty member	Event	Recognition	Awarded by	Year
01	Ansuman Ray	National Conference on Natural Resources, Diversity and Sustainable Development	Science Excellence Award	Organizers of the National Conference on Natural Resources, Diversity and Sustainable Development, at North Bengal University	2015
02	Ansuman Ray	International Conference on Environment & Ecology (ICEE-2015)	Young Scientist Award	Organizers of ICEE-2015	2014
03	Alokkumar De and Chinmoy Chatterjee. Poster authored by [A. De, C. Chatterjee, K. Bardhan (Ghosh), B. C. Mahata and S. S. De Sarkar].	Poster presentation involving environmental pollution in Raniganj Coal field area. Topic: Impact of Industrial Wastes on Fresh Water and its Zooplankton Diversity.	Best presentation award (Awarded 3 rd prize).	Organizers of the 4 th International Conference on Climate Change & Sustainable Management of Natural Resources at ITM University, Gwalior	2014
04	Laxminarayan Sahoo	PhD thesis work	Best PhD thesis in Operations Research	ORSI, India	2012



Sl. No.	Name of the faculty member	Event	Recognition	Awarded by	Year
05	Alokkumar De	National Environmental Awareness Campaign on Biodiversity Conservation 2007-2008. [Project Proposal approved by: Ministry of Environment & Forests (Government of India). Regional Resource Agency: School of Fundamental Research, Kolkata]	Certificate of Excellence received based on the performance. [Performed exceedingly well (A+) and in the state of West Bengal, placed in 5 th position in the overall performance category.]	Ministry of Environment & Forests (Government of India). [Regional Resource Agency: School of Fundamental Research, Kolkata]	2007-2008

- **Incentives given to faculty for receiving state, national and international recognitions for research contributions.**

No incentive is given to faculty for receiving state, national and international recognitions for research contributions.

3.5 Consultancy

3.5.1 Give details of the systems and strategies for establishing institute-industry interface.

The college does not have any system and strategies for establishing institute-industry interface.

3.5.2 What is the stated policy of the institution to promote consultancy? How is the available expertise advocated and publicized?



The college doesnot yet have any clearly stated policy to promote consultancy. However the neighbouring college consulted our institution on matters related to COSA, e-billing and e-payment.

3.5.3 How does the institution encourage the staff to utilize their expertise and available facilities for consultancy services?

As the college doesnot yet have any clearly stated policy to promote consultancy, the question of encouraging the staff to utilize their expertise and available facilities for consultancy services doesnot arise.

3.5.4 List the broad areas and major consultancy services provided by the institution and their venue generated during the last four years.

Not Applicable

3.5.5 What is the policy of the institution in sharing the income generated through consultancy (staff involved: institution) and its use for institutional development?

Not Applicable

3.6 Extension Activities and Institutional Social Responsibility (ISR)

3.6.1 How does the institution promote institute-neighborhood-community network and student engagement, contributing to good citizenship, service, service orientation and holistic development of students?

The institution promotes institute-neighbourhood-community network and student engagement through extension activities, outreach activities and other comprehensive activities with the perception that such activities would contribute to good citizenship, service orientation and holistic development of the student.

Extension Activities

The extension activities of the college include NSS (National Service Scheme) activities and NCC (National Cadet Corps) activities.



NSS (National Service Scheme)

Currently, there are two NSS units in the college consisting of 180 women volunteers. The two units are managed by Dr Tushar Kanti Banerjee as Programme Officer of Unit I and Ms Kheyali Sarkar as Programme officer of Unit II respectively. Under their able guidance, the students are actively involved in both regular activities and special camping activities of the college. The regular activities are carried out all the year round. The Special Camping activities are a seven day programme carried out in the nearby villages of Banskatpara and Joratalpara adopted by the two NSS units of the college. A list of the NSS activities of the college from 2010 to 2015 is given in Table 3.6.1

Table 3.6.1 NSS activities (2010 - 2015)

2010-11			
S.No	Date	Total No. of Volunteers participated	Activities
01	05.06.2010 to 12. 06.2010	120	Medicinal plants were planted in the garden of college campus. Even plants were distributed to the people of the adopted villages to promote greenery.
02	11.08.2010	110	Blood donation awareness program was conducted to motivate the volunteers to donate blood.
03	05.09.2010 & 06.09.2010	150	Education awareness program was organized where volunteers went to adopted village, surveyed it regarding different parameters and went to the house of every villager to motivate them to send their wards to school.
04	01.12.2010	171	Awareness program held among peoples of the adopted villages, through different leaflets, regarding "AIDS". Volunteers walked with flex and posters in the local area.
05	12.12.2010	75	Training on traffic control imparted to the volunteers by the traffic ADPC officers.
06	25.03.2012 to 31.03.2012	101	Activities under Special Camping Programme
			Road play regarding Awareness Against Superstition,



			Volunteers participated in controlling traffic of the area,
			Rural Health check up programme for women,
			Environment cleaning programme
			Cultural competition for the inhabitant of the adopted village
			Seminars on different social issues

2011-12			
S No.	Date	Total No. volunteers participated	Activities
01	05.06.2011	100	Tree plantation program and distribution of saplings to the people of the adopted villages.
02	24.08.2011	95	Seminar regarding importance of medicinal plants and its uses.
03	01.12.2011	140	Red ribbon day celebration and AIDS awareness programme.
04	12.02.2012	95	Volunteers visited Churulua birth place of Kazi Nazrul Islam.
05	18.02.2012 to 24.02.2012	103	<p>Activities under Special Camping Programme</p> <p>A visit to a place of historical heritage: Jetty of Carr, Tagore & Company owned by Prince Dwarakanath Tagore the first Bengali entrepreneur.</p> <p>Sit and draw competition for children upto seven years of age and alpina competition for the village women. Later, prizes were distributed to encourage the endeavours of these women</p> <p>Teaching the toddlers of the village for which the volunteers prepared charts on vegetables, fruits, flowers and colours.</p> <p>Traffic control programme</p>
			Seminars on social issues



2012 - 2013			
Sl. No.	Date	Total No. of volunteers participated	Activities
01	10.01.2012	110	Annual survey was done on both the adopted villages to study the percentage of educated people, earning members of the family. The immediate need of the villagers were identified like dustbin, tap water etc. The ICDS classroom had no proper ventilation. The need for construction of a window was identified and the information conveyed to Raniganj Municipality. Later the Municipality arranged for construction of the window
02	12.06.2012	150	Plantations programme was carried out and awareness programme was also conducted to promote greenery, use of eco-friendly things and abolition of the use of polythene bags and plastics.
03	20.08.2012	78	Free health check-up camp was organized for the volunteers in the college campus under the aegis of Students' Health Home
04	12.09.2012	85	A Visit to Narayankuri, a place of historical importance on the bank of Damodar, at Raniganj.
05	18.09.2012	10	Volunteers participated in the Inter-College Camp at Desabandhu Mahavidyalaya, Chittaranjan.
06	26.01.2013	86	Training in Traffic Control imparted to the Volunteers.
07	10.02.2013 to 18.02.2013	105	Special Camping Programme activities which included 'clean environment for all', organisation of sporting events for the kids of the adopted village, cultural competition for the inhabitants of the adopted village and seminars on socially relevant issues.
08	14.03.2013 to 20.03.2013	200	The NSS Inter-College Special Camp was organized at Raniganj Girls' College. 145 NSS volunteers from twelve other colleges affiliated to The University of Burdwan (West) participated in this camp.



2013 - 2014			
Sl. No.	Date	Total No. of volunteers participated	Activities
01	09.05.2013	50	Awareness against superstition was carried out.
02	11.08.2013	65	Distribution of saplings to the people of the adopted slum was carried out to promote greenery.
03	27.08.2013	140	Free health check-up camp for the volunteers in collaboration with Students' Health Home.
04	23 – 31. 09.2013	56	Red Ribbon Day was observed and an awareness programme on HIV/AIDS was conducted among the people of the local area and adopted slums.
05	17.11.2013	20	Volunteers went to adopted slums to teach the toddlers over there to bring them within the ambit of formal education.
06	12.01.2014	140	Observance of National Youth Day on the birthday of Swami Vivekananda.
07	23.01.2014	100	Observing Desh Prem Divas on the the birthday of Netaji Subash Chandra Bose.
08	06.03.2014 To 12.03.2014	97	Special Camping Programme activities which included traffic control programme, Environment cleaning programme, awareness programme on women's health, cultural competition for the willage women, sports for the children and distribution of prizes and seminars on social issues

2014 – 2015			
Sl. No.	Date	Total No. of volunteers participated	Activities
01	10.06.2014	150	Tree plantation program conducted in the college campus.
02	12.01.2015	140	National Youth Day (Birthday of Swami Vivekananda) observed.
03	23.01.2015	06	NSS volunteers of Raniganj Girls' College participated



			in the State Level inter-college Cultural Programme on National Integration organized by Presidency University on 23 rd January 2015 as a representative of The University of Burdwan.
04	23.03.2015 to 29.03.2015	101	Special Camping Programme activities included Swachh Bharat Abhiyan, teaching the village children, free health checkup camp for the women of the adopted village, donating saplings to the villagers, seminars on social issues.
04	09.08.2015	75	Free health check-up camp was organized for the volunteers in the college campus.
05	15.08.2015	125	Republic Day celebrated.
06	24.09.2015	160	NSS Day celebrated.
07	01.12.2015	180	Observed World AIDS Day; Conducted a rally from the college to Raniganj Railway Station.
08	09.12.2015	75	Blood Donation Camp organized. A total of 62 Students & Teachers participated and donated blood.

NCC (National Cadet Corps)

The 5 Bengal Girls' Battalion NCC unit of the institution under the Burdwan Group provides organized and regular training to the cadets under the able guidance of Associate NCC Officer (ANO), Lt. Jayashree Modak. The NCC cadets of the college participate in camps held at the State level and National level at regular intervals. They have also carried out awareness programme on AIDS and Cancer and conducted 'Swachh Bharat Abhiyan' in the area. They also provide their services in the locality as and when required.

Outreach activities

Our college is providing support to Ananda Ashram, a home for destitute children, near Satgram in Raniganj coal-field area by donating clothes. Few children of the home visited our college on the occasion of Annual Cultural Programme and staged a cultural programme.

Other Comprehensive activities

- Green campus programme
- Conservation of medicinal plants and creating awareness about the use of medicinal herbs among the students



- Yoga programme and workshop has been organized in collaboration with 'The Art of Living Foundation', Raniganj with the objective of reducing stress in life by practising yoga. The immediate target group are the students and it is expected that the yoga workshop would benefit the society at large through these students.
- Earn While You Learn

3.6.2 What is the institutional mechanism to track students' involvement in various social movements/activities which promote citizenship roles?

The NSS and NCC units regularly monitor the involvement of the students in various social activities which promote citizenship roles. A brief outline of some of the NSS and NCC activities which promote citizenship role is given below in Table 3.6.2

Table 3.6.2 NSS and NCC activities that promote citizenship role

Sl No.	Short description of the activity	Nature of activity	Citizenship roles
1.	Traffic control programme	NSS	Obeying traffic rules and Road Safety
2.	Blood donation Camp	NSS	Service to the community
3.	Swaach Bharat Abhiyan	NSS	Keeping the surroundings clean
4.	Green campus programme	NSS	Environment consciousness
5.	Awareness programme on AIDS, abolition of child labour, drive against superstition, programme against child marriage, programme against dowry.	NSS	Awareness of social issues
6.	Health check up programme for women of the adopted villages	NSS	Contribution to the welfare of the community
7.	Participation in National Integration Camp	NCC	National Integration



Sl No.	Short description of the activity	Nature of activity	Citizenship roles
8.	Republic Day Camp	NCC	Patriotism

3.6.3 How does the institution solicit stakeholder perception on the overall performance and quality of the institution?

- Feedback from the students.
- Guardians' Meet.

3.6.4 How does the institution plan and organize its extension and outreach programmes? Provide the budgetary details for last four years, list the major extension and outreach programmes and their impact on the overall development of students.

The major extension activities of the college are conducted by the National Service Scheme (NSS) and National Cadet Corps (NCC). The outreach activities of the college also comprise providing support to Ananda Ashram, a home for destitute children, near Satgram in Raniganj coal-field area.

The NSS Advisory Committees of the college comprise the Principal, the NSS Programmes Officers, representatives of the teaching staff, representatives of the non-teaching staff, representatives of the volunteers and representatives of the adopted villagers. These committees help to plan and organize the extension programme of the NSS units of the college all throughout the year. The budgetary details of NSS activities from April 2010 to March 2015 are given below in Table 3.6.4.



**Table 3.6.4 Statement of Expenditure of the NSS units
(April 2010- March2015)**

Sl. No.	Period	Particulars	Expenditure (in Rs)
1	April ,2010- March, 2011	Regular activities	8,930.00
2		Out of pocket allowance	6,400.00
3		Special camping programme (unit- I)	22,500.00
4		Special camping programme (unit- II)	22,500.00
5	April , 2011- March, 2012	Regular activities (unit I)	22,000.00
6		Regular activities (unit II)	22,000.00
7		Special camping programme (unit- I)	22,500.00
8		Special camping programme (unit- II)	22,500.00
9	April ,2012- March, 2013	Regular activities (unit I)	22,000.00
10		Regular activities (unit II)	22,000.00
11		Special camping programme (unit- I)	22,500.00
12		Special camping programme (unit- II)	22,500.00
13		Red Ribbon Club	4,900.00
14		Inter college camping programme	1,45,000.00
15	April, 2013- March, 2014	Regular activities (unit I)	22,000.00
16		Regular activities (unit II)	22,000.00
17		Special camping programme (unit- I)	22,500.00
18		Special camping programme (unit- II)	22,500.00
19	April, 2014- March, 2015	Regular activities (unit I)	22,500.00
20		Regular activities (unit II)	22,500.00
21		Special camping programme (unit- I)	22,500.00
22		Special camping programme (unit- II)	22,500.00
23		Red Ribbon Club	4,000.00

The Associate NCC Officer (ANO) of the NCC unit of the college plans and organises the training programme of the cadets according to the training syllabi and schedule laid down by the concerned organisation for National Cadet Corps.



The impacts of extension and outreach programme on the holistic development of the students are:

Development of

- the spirit of discipline and selfless dedication,
- the spirit of national integration, harmony and nation building
- team spirit, leadership potential and enterprising skill
- competence to solve problems of the community and
- social and civic responsibilities.

3.6.5 How does the institution promote the participation of students and faculty in extension activities including participation in NSS, NCC, and other National/International agencies?

- The application form for admission to the undergraduate courses elicits information from the students about their choice for joining the NSS or NCC units of college.
- Motivating the students by the faculty members to promote student participation in NSS and NCC activities.
- Two faculty members of the college are Programme Officers of the NSS units and one faculty member is the ANO of the NCC unit.
- The faculty members are invited to deliver popular lectures and seminars on social issues in NSS special camping programmes.

3.6.6 Give details on social surveys, research or extension work (if any) undertaken by the college to ensure social justice and empower students from under-privileged and vulnerable sections of society.

During admission to the undergraduate courses, details about the socio-economic background are furnished by the students in their application forms. It has been found that quite a significant percentage of the students of the college belong to the under-privileged and vulnerable sections of the society. As the admission procedure is carried out based on the government rules and regulations for the reservation of seats for the under-privileged and vulnerable sections of the society, social justice and empowerment of the underprivileged students are automatically ensured.



Addressing the issue of economic vulnerability, the college facilitates the availability of concession and different types of financial aids for the needy students.

As women also come under the purview of vulnerable sections of the society, a number of seminars have been organized by the NSS units of the college to instill in the students a sense of social justice and empowerment through creation of awareness on social issues. A list of such seminars is given below:

Table 3.6.6: NSS Seminars held on important social issues

Date & Day	Topic of the seminar	Speaker
25.03.11	Importance of Human Values	Dr.Krishna Bardhan (Ghosh)
26.03.11	Right to Information	Santanu Niyogi
28.03.11	Removal of Dowry System	Latika Sarkar
29.03.11	Right to Education	N.C. Datta
30.03.11	Awareness against Superstitions	J. Waghela
31.03.11	Water Pollution: its Impact & Awareness	A. De & C. Chatterjee
19.02.12	Know Your Environment	Tushar Kanti Banerjee
20.02.12	Abolition of Child Labour	Dr.Krishna Bardhan (Ghosh)
21.02.12	Herbal Remedies	Dr. Basabi Barua Hazra
22.02.12	Seminar on Child marriage	Latika Sarkar
23.02.12	Gender Equity	J. Waghela
19.03.13	Unconventional Careers- The Way Ahead	Pritha Goswami
25.03.15	Discourse of clothing	Dr. Arnab Saha



3.6.7 Reflecting on objectives and expected outcomes of the extension activities organized by the institution, comment on how they complement students' academic learning experience and specify the values and skills inculcated.

National Service Scheme (NSS)

The objectives of National Service Scheme under the Ministry of Youth Affairs and Sports, Government of India, are inbuilt in its motto "Not Me But You". Thus the expected outcomes of the NSS activities of the college are:

- ◆ Sensitization of the students towards social realities,
- ◆ inculcate in them the spirit of social service,
- ◆ teach them to be active and responsible citizens, and
- ◆ Help them to contribute meaningfully to nation building without any bias.

National Cadet Corps (NCC)

The objectives of National Cadet Corps under the Ministry of Defence, Government of India, are inherent in its motto "Unity and Discipline". Thus the expected outcome of the NCC activities of the college is to mould the cadets into united, secular and disciplined citizens of India.

The extension activities of the college complement the academic learning process by developing

- the spirit of discipline and selfless dedication,
- the spirit of national integration and harmony,
- team spirit, leadership potential and enterprising skill
- competence to solve problems of the community and
- social and civic responsibilities.

3.6.8 How does the institution ensure the involvement of the community in its reach out activities and contribute to the community development? Detail on the initiatives of the institution that encourage community participating in the activities.

The institution maintains close links with the traffic control department of Asansol Durgapur Police Commissionerate (ADPC), Vigyan Mancha, Raniganj, reputed doctors of Raniganj, Divisional Forest Office, Durgapur and also reaps



benefits from the CSR projects of Corporates like HDFC to ensure community participation in extension activities.

Table 3.6.8 Community participation initiatives of the college

Linkage with	Programme	Target group / Beneficiary
Traffic control department of ADPC	Training on traffic control	Local population
Vigyan Mancha	Awareness programme against superstition	Local population
Reputed doctors of Raniganj	Health check up camp	Students of the college and local population
Divisional Forest Office, Durgapur	Afforestation, Green Audit of the Campus	Community at large
CSR project of HDFC bank	Blood donation camp	Local community

3.6.9 Give details on the constructive relationships forged (if any) with other institutions of the locality for working on various outreach and extension activities.

The details of the constructive relationships forged with other institutions of the locality for working on the various outreach and extension activities:

- Inter-College NSS Special Camping Programme of The University of Burdwan was organized by Raniganj Girls' College from 14th March to 20th March 2013. In this special camping programme, NSS volunteers from twelve other colleges (namely B B College, B C College, Asansol Girls' College, TDB College, Durgapur Government College, Michael Madhusudan Memorial College, Deshabandhu Mahavidyalaya, Mankar College, Kulti College, Kazi Nazrul Islam Mahavidyalaya, Khandra College and Pandaveshwar College) participated in the camp. The theme of this camp was "Preservation of Indian Heritage" and the seven day programme was packed with sensitization programmes, awareness campaign, cleaning



programme, informal lectures, seminars, extempores given by students and other activities.

- A blood donation camp was organized by the NSS unit of the college in collaboration with HDFC Bank, Raniganj Branch in the college premises. The Bank provided technical support and 62 donors donated blood on this occasion.
- In 2015, The University of Burdwan celebrated Rabindranath Tagore's birth anniversary. The NSS units of Raniganj Girls' College and TDB College jointly organised a cultural programme on this occasion. They also participated in a rally.
- Our college is providing support to Ananda Ashram, a home for destitute children, near Satgram in Raniganj coal-field area by donating clothes. A few children of the home visited our college on the occasion of Annual Social and staged a cultural programme.
- Yoga programme and workshop has been organized in collaboration with 'The Art of Living Foundation', Raniganj with the objective of reducing stress in life by practising yoga. The immediate target group are the students and it is expected that the yoga workshop would benefit the society at large through these students.

3.6.10 Give details on awards received by the institution for extension activities and contributions to the social/community development during the last four years.

The institution has not received any award for extension activities or contributions to the community development during the last **four** years. However it must be mentioned here that the NCC cadets of the institution received certain awards between 2002 and 2007, a list of which is given below in Table 3.6.10

**Table 3.6.10 Awards received for NCC cadets of the institution**

Year	Event	Name of the cadet	Award/Recognition
2002	Special Camp at Delhi Cantonment	Laxmi Paramanik	Gold medal for Best cadet
2004	Republic Day camp at Delhi Cantonment	Archana Pathak	Contingent commander
2005	Nilgiris trek at Aravangadu, Ooty	Kalyani Vishwakarma	Governor's medal for Best cadet
2006	Republic Day camp at Delhi Cantonment	Kalyani Vishwakarma	Governor's medal for Best cadet
2007	Thal Sena Camp at Delhi Cantonment	Shabnam Khatoon	Best Cadet, Burdwan Group

3.7 Collaboration

3.7.1 How does the institution collaborate and interact with research laboratories, institutes and industry for research activities? Cite examples and benefits accrued of the initiatives-collaborative research, staff exchange, sharing facilities and equipment, research scholarships etc.

One of our faculty members of the Department of Physics, Dr Alok Kumar De, has been engaged in collaborative research activity, the details of which is shown in Table 3.7.1

Table 3.7.1 Details of collaborative research activity

S.No.	Name of the faculty	Title of the Project	Duration	Collaborating with
1.	Dr Alok Kumar De	Study of Orbiting and Anomalies in Nuclear Reactions.	1997-2003	Dr. A. Ray (Principal Investigator), VECC (DAE), Calcutta, W.B.



S.No.	Name of the faculty	Title of the Project	Duration	Collaborating with
2.	Dr Alok Kumar De	Back-angle study in medium mass nuclei.	1999-2004	Dr. A. Ray (Principal Investigator), VECC (DAE), Calcutta, W.B.
3.	Dr Alok Kumar De	The ongoing BaF ₂ program at VECC, Kolkata.	Since 2002. Continuing.	Dr. S. R. Banerjee (Principal Investigator), VECC (DAE), Calcutta, W.B.
4.	Dr Alok Kumar De	Change of decay rate of ¹⁰⁹ In and ¹¹⁰ Sn in different media.	December, 2005. Continuing.	Dr. A. Ray (Principal Investigator), VECC (DAE), Calcutta, W.B.

Further, Dr De is also a part of the Indian team engaged in an international collaborative research, the MATS collaboration on FAIR (Facility for Antiproton and Ion Research), built in cooperation with an international community of countries and scientists.

3.7.2 Provide details on the MOU/collaborative arrangements (if any) with institutions of national importance/other universities/Corporate (Corporate entities) etc. and how they have contributed to the development of the institution.

Very recently, a Memorandum of Understanding (MOU) has been signed between NSHM Udaan Skills Pvt. Ltd., and Raniganj Girls' College with the view to conduct skill training programs under the ambit of National Skill Development Corporation (NSDC) approved programme. The following courses are to be conducted at the college centre:

✓ Hospitality which includes

1. F & B Service (Food and Beverage)



2. Office Management

3. House Keeping

- ✓ Banking
- ✓ Beauty & Wellness
- ✓ Boutique
- ✓ Hardware and Networking
- ✓ Industrial Training Module
- ✓ Handy Craft.

Another Memorandum of Understanding (MOU) has been signed between P. C. Solution and Raniganj Girls' College regarding environment friendly disposal of e-waste generated by our college. According to this agreement, P.C. Solution would purchase obsolete or discarded electronic waste like old computers, UPS etc for proper disposal and in return the company would extend its services for maintenance of the existing computers. The value of service provided by PC Solution would be at par with the valuation of the e-waste collected by them.

3.7.3 Give details (if any) on the industry-institution-community interactions that have contributed to the establishment/ creation/up-gradation of academic facilities, student and staff support, infrastructure facilities of the institution viz. laboratories/library/new technology/placement services etc.

The details of the industry-institution-community interactions that have contributed to the establishment/ creation/up-gradation of academic facilities, student and staff support, infrastructure facilities of the institution are given below:

- **Student support:** The collaboration established with NSHM Udaan Skills Pvt. Ltd. through the signing of MOU has enhanced the learner's opportunity for availing different skill development courses like Travel & Tourism, Food and Beverage Service, House Keeping, Front Office Management, Beauty and Wellness, Boutique and Handicraft. Interestingly this course can be availed by the currently enrolled students as well as the ex-students of the college. This collaboration is aimed at facilitating scope for self employment for students of the college.



- **Value education, sensitization and service to the community:** A blood donation camp was organized by the NSS unit of the college in collaboration with HDFC Bank, Raniganj Branch in the college premises. The Bank provided monetary and man power support and 62 donors donated blood on this occasion. The enthusiasm among the students to donate blood clearly revealed the successful sensitization of the student-community of the college for a purpose which appealed to their value system and desire for service to the community.
- **Reduction of e-waste:** The linkage between Raniganj Girls' College and P.C. Solution has resulted in the signing of a Memorandum of Understanding (MOU) between P. C. Solution and Raniganj Girls' College regarding environment friendly disposal of e-waste generated by our college. According to this agreement, P.C. Solution would purchase obsolete or discarded electronic waste like old computers, UPS etc for proper disposal and in return the company would extend its services for the maintenance of the existing computers. The value of service provided by PC Solution would be at par with the valuation of the e-waste collected by them. This system of disposal helps to reduce e-waste of the college.

3.7.4 Highlighting the names of eminent scientists/participants who contributed to the events, provide details of national and international conferences organized by the college during the last four years.

Table 3.7.4a The national and state level seminar and conferences organized by the college in the last few years

Organizer	Type of seminar	Theme	Year
Dept. of English,	State Level seminar	Shakespearean and Modern Drama:A Feminist Perspective	2005
Dept. of English	State Level seminar	The French Revolution : An Intellectual Background	2005
Dept. of Bengali	State Level seminar	Eliot O Bangla Adhunik Kabita:Sudhindranath Dutta O Bishnu De	2005
Dept. of English,	State Level seminar	Epic Features of Paradise Lost	2005



Organizer	Type of seminar	Theme	Year
Dept. of English,	State Level seminar	The Short Story: Perspectives	2005
Dept. of English	State Level	The Sonnet : An Overview	2005
Department of Mathematics	UGC sponsored National Level seminar	“Need based Mathematics training as on today.”	2006
Department of English	UGC sponsored National Level seminar	Emerging Territories in English Literature	2007
Department of History	UGC sponsored State Level seminar	Obturation makes communal, ethnic, race identity indelible	2007
Department of Economics	State Level seminar sponsored by Department of Higher Education, Government of West Bengal	Contract Farming in India: Problems and Prospects.	2008
Department of History	State Level seminar sponsored by Department of Higher Education, Government of West Bengal	Development science and industry in modern India	2009
Department of Physics	UGC sponsored National Level seminar	Nuclear Physics Research in India – Facilities and Perspectives.	2010
Department of Bengali & History	UGC sponsored National Level seminar	Simar Mahje Ashim Tumi: Rabindranath	2011
Department of Political Science	UGC sponsored State Level seminar	Women in Panchayats: The West Bengal Scenario	2011
Department of Physics	UGC sponsored National Level	Opportunities in Nuclear Physics Research in India.	2012



Organizer	Type of seminar	Theme	Year
	seminar		
Raniganj Girls' College	UGC sponsored National Level seminar	Bahu Rupe Sammukhe Tumi: Vivekananda	2014
Department of Urdu	State Level	Contribution of Women in Urdu Literature	2015
Department of Hindi	State Level	Chhayavaad ki praasangikta	2015
Dept. of Bengali	State Level seminar	BanglaUponyaser Digboloy	2015

Table3.7.4b A list of some of the eminent personalities who visited Raniganj Girls' College during seminars and conferences

Name of the eminent personality	Associated with	Year
Dr. Bikash Sinha	Ex-Director, VECC, Kolkata Padmabhushan Awardee (2010)	2010
Dr. Martin Kampchen	International Rabindra Scholar and German author	2011
Dr. Barid Baran Ghosh	Professor, Srigopal College, Hoogly	2011
Dr. Jayanti Chattopadhyay	Professor, Delhi University	2011
Dr. Shankar Bhattacharya	Professor, Mizoram University	2011
Dr. Alok Chakraborty	Professor, The University of Burdwan	2011, 2014
Dr Syed Tanveer Nasreen	Professor, Department of History ,University of Burdwan	2011
Swami Shastragyananda Maharaj	Principal, Rama Krishna Vidyamandir, Belur Math	2014
Swami Varupananda Maharaj	Rama Krishna Mission, Asansol	2014
Dr. Ram Dulal Bose	Ex-Professor, TDB College	2011, 2014
Dr. Manoj Chakraborty	Ex-Professor, TDB College	2011, 2014
Dr. Abdus Samad	Ex-Professor, TDB College	2011, 2014



Name of the eminent personality	Associated with	Year
Dr. Shakti Sadhan Mukhopadhyay	President, Bangiya Sahitya Parishad, Kolkata	2014
Professor Joydeb Sarkhel	Department of Commerce, Burdwan University	2005,2007, 2008, 2010
Dr Bhaskar Chattopadhyay	Department of History , Burdwan University and Director Bharata Vidaya Charcha Kandra	2005, 2007, 2010
Dr Ananda Bhattacharya	Assistant Director , West Bengal State Archives, Kolkata	2007
Dr Suchibrata Sen	Dept. of History, Visva Bharati	2007, 2010, 2011
Dr Jolly Bagchi	Scholar of History and Music	2011
Dr Deepk Kumar	ICHR	2011
Dr Smriti Kumar Sarkar	Vice Chancellor, The University of Burdwan	2010
Prof Amit Mallik	Ex- Vice Chancellor, The University of Burdwan	2005, 2007, 2010
Dr. R. K. Bhandari	VECC, Kolkata	2010
Dr. Ajit Kumar Sinha	UGC-DAE-CSR, Kolkata	
Dr. S. R. Banerjee	VECC, Kolkata	
Dr. A. Ray	VECC, Kolkata	
Dr. Sailajananda Bhattacharya	VECC, Kolkata	
Dr. G. Mukherjee	VECC, Kolkata	
Dr. Alok Chakrabarti	VECC, Kolkata	
Dr. Asimananda Goswami	SINP, Kolata	
Prof. B. Ghosh	The University of Burdwan	
Dr. Jan-e Alam	VECC, Kolkata	
Dr. Subhasis Chattopadhyay	VECC, Kolkata	
Dr. C. Bhattacharya	VECC, Kolkata	
Prof. Dinesh Kumar	VECC, Kolkata	



Name of the eminent personality	Associated with	Year
Srivastava.		
Dr.Sailajananda Bhattacharya.	VECC, Kolkata	
Dr. S. R. Banerjee.	VECC, Kolkata	
Dr. V. S. Pandit.	VECC, Kolkata	
Dr. Amlan Ray.	BU	
Prof. Dr. B. Ghosh.	SINP	
Prof. Asimananda Goswami.	VECC, Kolkata	
Dr. C Bhattacharya.	VECC, Kolkata	
Dr.Subhasis Chattopadhyay	VECC, Kolkata	
Dr. Jan-e Alam.	VECC, Kolkata	
Dr. Arup Bandyopadhyay.	VECC, Kolkata	
Dr. Gopal Mukherjee.	VECC, Kolkata	
Dr. Rajarshi Raut.	UGC-DAE-CSR	
Dr. Prabir Banerjee.	Presidency University	
Dr. Surajit Pal.	VECC, Kolkata	
Dr. Kaushik Bannerjee.	VECC, Kolkata	
Dr. Deepak Pandit.	VECC, Kolkata	
Prof. Mohit Bhattacharyya	Ex-V.C., The University of Burdwn	2011
Prof. Jay Tilak Guha Roy	Professor, IIPA, New Delhi	2011
Prof. Mimai Paramanik	The University of Burdwan	2011
Prof. Prabhat Dutta	Centenary Professor, Dept. of Pol. Science, Calcutta University	2011
Prof. Himangshu Ghosh	Chairman, The West Bengal College Service Commission.	2011
Prof. Apurba Mukhopadhyay	Professor, Netaji Institute for Asian Studies, Kolkata	2011
Prof. Rama Kundu	Prof. of The University of Burdwan.	2007
Prof. Mihir Bhattacharya	Prof. Jadavpur Univ.	2007
Prof. Sukriti Ghosal	Principal , MUC Women's	2015



Name of the eminent personality	Associated with	Year
	College, Burdwan	
Dr. Indrani Deb	Principal , Nistarini College	2007
Prof. Shahnaz Nabi	(Iqbal Chair Prof.), Dept. of Urdu, University of Calcutta	2015
Dr. Md. Iqbal	Asst. Prof. Dept. of Urdu, Hoogly Mohsin College	2015
Dr Vimal Chandra Singh	Ex-Prof. BU	2015
Dr Ram Pukar Mishra	Ex-teacher, TDB College, Raniganj	2015

3.7.5 How many of the linkages/collaborations have actually resulted in informal MOUs and agreements? List out the activities and beneficiaries and cite examples (if any) of the established linkages that enhanced and/or facilitated.

- a. Curriculum development/enrichment:** As an affiliated institution, the college has linkages with The University of Burdwan and Kazi Nazrul University. Prior to 24th June 2015, the college was affiliated to The University of Burdwan. From 24th June 2015, the college is affiliated to Kazi Nazrul University. Three faculty members of our college are members of the Board of Studies in The University of Burdwan who are instrumental in curriculum enrichment of various courses at the UG level. Also three faculty members have been inducted in the Boards of Studies in Kazi Nazrul University for various subjects who will be instrumental in developing and enriching the curriculum of various courses at the UG level in future. The duration of the curriculum of these undergraduate courses is for three years and all the bonafide enrolled students of the college are the beneficiaries of this curriculum enrichment and development. The three year undergraduate curriculum followed by our college has facilitated the attainment of a graduate degree in seventeen different disciplines.



- b. Internship/On-the-job training – Nil**
- c. Summer placement –Nil**
- d. Faculty exchange and professional development-** Professional development is facilitated through Refresher Course, Orientation Course and Short-term course conducted by UGC-Human Resource Development Centre of different universities all over India. In this sense, there exists a linkage between the Human Resource Development Centre and faculty members of the college. However there has been no faculty exchange in the past.
- e. Research-** Many of our faculty members are engaged in individual or collaborative research activities. This again provides a platform for linkage or collaboration between the faculty member of our college and the institute of higher learning with which our faculty member is associated.
- f. Consultancy–** The college does not have any clearly stated linkage with regard to consultancy. However, the neighbouring college consulted our institution on matters related to COSA, e-billing and e-payment.
- g. Extension –**The institution has successfully organized different extension activities in collaboration with various agencies and peer institutes.
- h. Publication – Nil**
- i. Student Placement –Nil**
- j. Twinning programmes –Nil.**
- k. Introduction of new courses –** The college has also developed curricula for (a) A Course in Basics of Computer and (b) A Course in Spoken English and Soft Skills. Further the linkage between the institute and NSHM Udaan Skills Pvt. Ltd. has formally resulted in signing of a MOU between Raniganj Girls' College and NSHM Udaan Skills Pvt. Ltd. for facilitating scope for self employment for the students of average merit.
- l. Student exchange –Nil**
- m. Any other –** The linkage between Raniganj Girls' College and P.C. Solution has resulted in the signing of a Memorandum of Understanding (MOU) between P. C. Solution and Raniganj Girls' College regarding environment friendly disposal of e-waste generated by our college. According to this agreement, P.C. Solution would purchase obsolete or discarded electronic waste like old computers, UPS etc for proper disposal and in return the company would extend its services for the maintenance of the existing



computers. The value of service provided by PC Solution would be at par with the valuation of the e-waste collected by them. This system of disposal helps to reduce e-waste of the college.

3.7.6 Detail on the systematic efforts of the institution in planning, establishing and implementing the initiatives of the linkages/collaborations.

The systematic effort of the institution in planning, establishing and implementing the initiatives of the linkages or collaborations is reflected through the active interest of the faculty members and the comprehensive efforts of the college in

- Implementation of the curriculum developed and enriched by the affiliating university.
- Facilitating the participation of teachers in faculty development courses.
- Facilitating endeavours in research activities of the faculty members of the college be it individual or collaborative research.
- Initiation and implementation of the skill development courses to facilitate scope for self employment generation.
- Monitoring the system of disposal of e-waste from the college.





CRITERION – IV: INFRASTRUCTURE AND LEARNING RESOURCES

4.1 Physical Facilities

4.1.1 What is the policy of the Institution for creation and enhancement of infrastructure that facilitate effective teaching and learning?

Infrastructure creation and enhancement of the existing infrastructure are the primary needs for effective teaching and learning process of any institution. In this regard, the institution frames out its infrastructural development policy considering the increasing strength of students and the new courses which are to be introduced. Any major infrastructural change is discussed both in the Teachers' Council and the Purchase Committee (for purchasing books and equipment) or the Building Committee (for construction of buildings), and finally realized by the Governing Body, after considering the necessities of the concerned departments. The main sources for the concerned financial allocations are the UGC Grant and the State Government Grant. The college authority also makes sufficient budgetary allocations, as and when required, within its limited resource, for purchasing books and equipment, upgradation and maintenance of the existing equipment and renovation of the existing laboratories and classrooms.

4.1.2 Detail the facilities available for:

a) Curricular and co-curricular activities:

classrooms, technology enabled learning spaces, seminar halls, tutorial spaces, laboratories, botanical garden, Animal house, specialized facilities and equipment for teaching, learning and research etc.

The infrastructural facilities available for conducting the curricular and co-curricular activities are as follows:



Facilities	Description of facilities
Classrooms	There are altogether 20 classrooms at present. Apart from these a few departments like departments of Mathematics, Zoology, Botany, Microbiology and Geography regularly hold classes in their laboratory rooms.
Technology enabled learning spaces	A computer room with several computers with internet facility is often used for teaching purposes. Departments of Physics, Chemistry, Mathematics, Zoology, Botany, Microbiology and Geography are well equipped with computers and printers. The college provides a central arrangement of a laptop, a projector and a screen to be used by different departments for holding seminars and audio visual classes. The college offers a dedicated classroom with Smart board as a separate technology enabled learning space.
Seminar halls	<p>The college has a separate seminar hall specially designed for organizing seminars, workshops, cultural activities, etc. It has the seating capacity of nearly 200 people.</p> <p>A hall with a seating capacity of nearly 400 students is used for annual social function, counseling process during admission, etc. It is also used for conducting examinations with large number of students.</p>
Tutorial spaces	No separate space as such is available for tutorials, however general classrooms are used for tutorials classes.
Laboratories	Seven Laboratory based departments (Physics, Chemistry, Mathematics, Zoology, Botany, Microbiology and Geography) have their own adequate laboratory spaces equipped with advanced instruments, needed for successful completion of the curriculum. There exists an Environmental Research Laboratory (interdisciplinary) to facilitate projects



Facilities	Description of facilities
	on water quality measurements.
Botanical garden	No Botanical Garden is as such present in the campus. However a medicinal plant garden is maintained by the Department of Botany.
Animal house	There is no animal house.
Specialized facilities	Public address systems have been installed in some classrooms.
Equipment for teaching, learning and research	All the laboratory based departments are well equipped with necessary laboratory equipment as per respective curriculum. Environmental Research Laboratory (interdisciplinary) is also well equipped.

b) Extracurricular activities: sports, outdoor and indoor games, gymnasium, auditorium, NSS, NCC, cultural activities, Public speaking, communication skill development, yoga, health and hygiene etc.

Activities	Description of facilities
Sports	A playground with an area of 37500 sq. ft. is available within college campus. Provisions for playing different games are there. The event of Annual sports is held every year. Prizes and trophies are awarded to the successful participants in the annual sports meet. A special prize is awarded each year to the student for an outstanding performance in sports and games.
Outdoor and indoor games	The college provides the facility of indoor games like Table Tennis, Carom, Chess and outdoor game like badminton. The Games Teacher (temporary) looks after the sports activities and becomes available in the training sessions. He not only



Activities	Description of facilities
	organizes the tournament at college level but also accompanies students whenever they participate in zonal level and state level competitions.
Gymnasium	There is no gymnasium at present.
Auditorium	There is a seminar hall cum auditorium with nearly 200 seating capacity.
NSS	Two units of NSS are always active in different social activities. The students are motivated to participate actively in the programs organized by the NSS unit. Different programs like Health checkup camp, blood donation motivation camp, AIDS awareness etc. and seminar on health problems especially related to women are organized by the NSS unit of the College every year.
NCC	One NCC unit is working actively at present. Members of the NCC unit regularly participate in the state level and national level activities. Some of them have been awarded for their excellent performances.
Cultural activities	The students participate in Intra-College cultural competitions. Annual cultural program such as fresher's welcome, Annual social functions are organize annually by students union.
Public speaking	Students ate encouraged for public speaking through NSS units. They also participate in various cultural activities like recitation, debate, road rallies, traffic awareness programmes. A few members of the teaching and the non-teaching staff also participate in different stage programmes and radio and television programmes.
Communication	The college has developed curriculum for Spoken English and soft skills. The courses are open to students as well as the



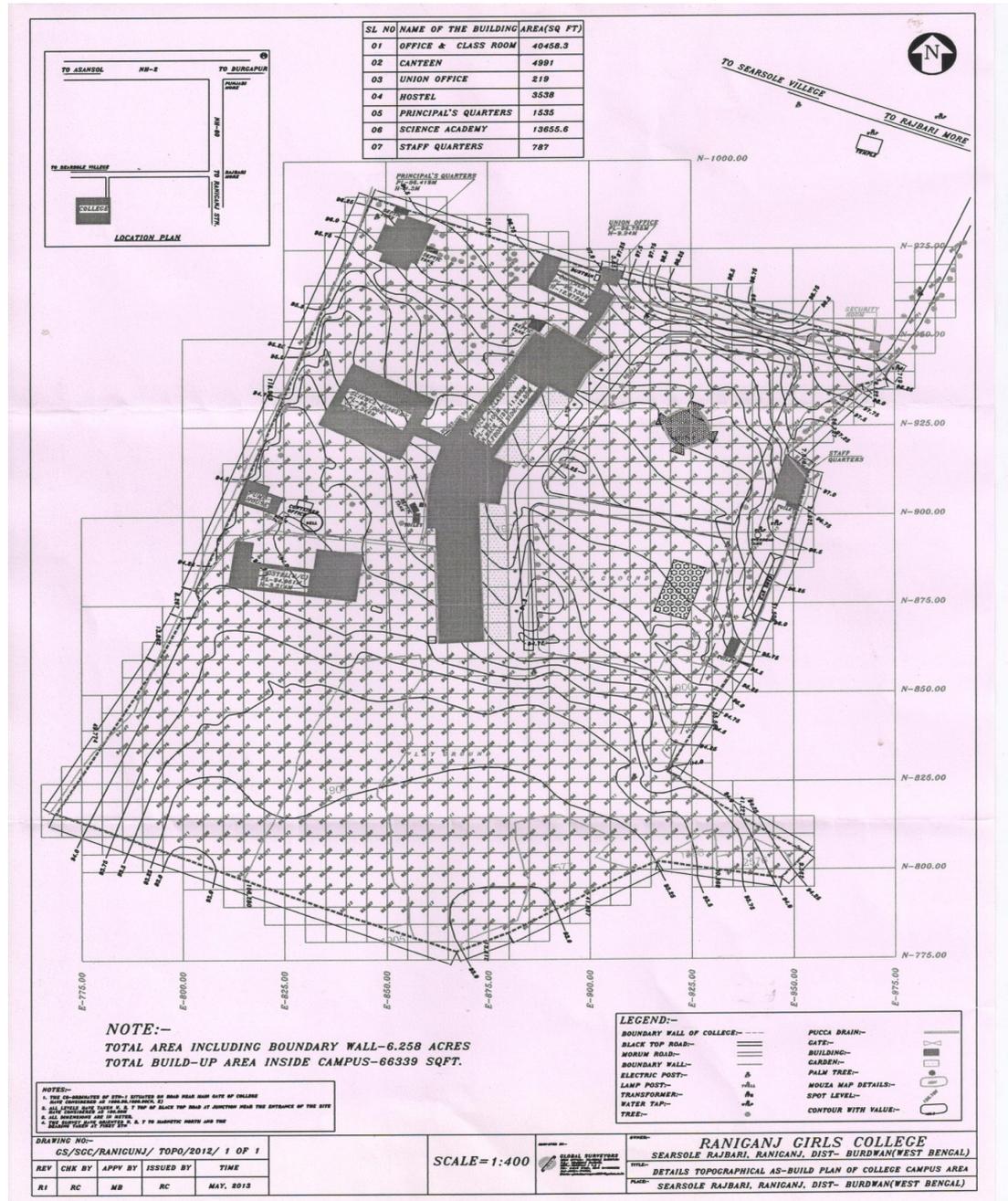
Activities	Description of facilities
skills development	teachers.
Yoga, health and hygiene	Yoga is practiced under the supervision of our ex-students. Workshops on stress elimination and health awareness programmes are also organized frequently for the students.

4.1.3 How does the institution plan and ensure that the available infrastructure is in line with its academic growth and is optimally utilized? Give specific examples of the facilities developed/augmented and the amount spent during the last four years (Enclose the Master Plan of the Institution / campus and indicate the existing physical infrastructure and the future planned expansions if any).

There is a well-established system in this college to identify, evaluate and monitor the proper use of available infrastructure. We have committees such as

- Finance Committee
- Purchase Committee
- Building Committee
- Library Committee

These committees plan and ensure the proper use of infrastructure. They also ensure that the available infrastructure is properly utilized. The amount spent in developing and augmenting the infrastructural facilities regarding books and journals, equipments, computers, building etc. in the last four years have been shown in the next sections.



Master Plan of the college campus

4.1.4 How does the institution ensure that the infrastructure facilities meet the requirements of students with physical disabilities?

To help the students with physical disabilities a ramp has been constructed at the entrance to the main building. During the examinations the physically challenged students are allowed to sit for their examinations in the classrooms on the Ground floor.



4.1.5 Give details on the residential facility and various provisions available within them.

Hostel Facility: Residential facility in the women's hostel "Maitree" constructed from UGC grant will be available soon.

Recreational facilities, gymnasium, yoga centre, etc.: Recreational facilities will be available.

Computer facility including access to internet in hostel: Provisions will be made in future.

Facilities for medical emergencies: A lady doctor will be associated with the hostel. The college will take the responsibility to admit a sick student in nearby hospital/ nursing home for emergency cases.

Library facility in the hostels: Provisions will be made in future.

Internet and Wi-Fi facility: Provisions will be made in future.

Recreational facility-common room with audio-visual Equipment: Provisions will be made in future.

Available residential facility for the staff and occupancy: Separate residential facility for Principal and few Group-D non-teaching staff including night guard is available.

Constant supply of safe drinking water: Constant supply of municipality water is available in the campus. Existing municipality supply of water will be extended to the Hostel through water purifiers.

Security: There is a permanent night guard for security purpose. Separate security personnel will be appointed for the Girls' hostel in future. CCTVs will be installed in the hostel campus also.

4.1.6 What are the provisions made available to students and staff in terms of health care on the campus and off the campus?

Health and hygiene of the students and the staff of the college is taken care of by the college. There is a separate rest room for both the sick students and staff. This unit is



equipped with primary first aid equipment. A doctor is attached to the college to check up the students in case of any emergency. Students can also check their health in the students' Health Home, for which a nominal fee is charged at the time of their admission to the college. The college provides facility to admit the sick to nearby hospital when required.

4.1.7 Give details of the Common Facilities available on the campus—spaces for special units like IQAC, Grievance Redressal unit, Women's Cell, Counselling and Career Guidance, Placement Unit, Health Centre, Canteen, recreational spaces for staff and students, safe drinking water facility, auditorium, etc.

Special unit	Space available	Functioning
IQAC	Common space available	IQAC cell is functioning properly.
Grievance Redressal unit		There is a grievance redressal unit.
Women's Cell		There is a women's cell to make women students and staff aware of the social responsibilities and gives them mental support to fight against any type of harassment. However fortunately there was no instance to take up any action against any adverse situation till date.
Counselling and Career Guidance		Career Guidance cell is present.
Placement Unit	-----	No placement unit is present.
Health Centre	Available	There is no health centre within the campus but students may avail facilities from the local health home.



Special unit	Space available	Functioning
Canteen	Separate canteen building	The college has one canteen which serves for both the students and staff of the college.
Recreational spaces for staff and students	Common room for students	The students can spend their leisure time in the common room where indoor games facility is available with them.
Safe drinking water facility	Available	For safe drinking water, Aqua guards have been installed in each of the three floors in the main building.
Auditorium	Available	The seminar hall is used for holding seminars, cultural functions etc.

4.2 Library as a Learning Resource

4.2.1 Does the library have an Advisory Committee? Specify the composition of such a committee. What significant initiatives have been implemented by the committee to render the library, student/user friendly?

Yes. There is a Library Committee. The Principal, the Librarian and all the whole-time teachers are the members of the Library Committee.

The committee takes decision on purchasing books and maintenance of the library.

4.2.2 Provide details of the following:

- Total area of the Library: 2663 sq. ft.(alongwith a reading room 796 sq. ft.)
- Seating capacity: 10 for staff and 40 for students.
- Working hours of the Library:
On working days: 10.30 a.m. to 4:30 p.m.



On holidays: Remains closed

On, before and during examination days: Same as working days

During Vacation: Remains closed

- Layout of the library (individual reading carrels, lounge area for browsing and relaxed reading, IT zone for accessing e-resources): There is no separate library building. A separate library building is to be constructed in near future.

4.2.3 How does the library ensure purchase and use of current titles, print and e-journals and other reading materials? Specify the amount spent on procuring new books, journals and e-resources during the last four years.

A budget is prepared and placed on the basis of the recommendation of the list of books on current titles and journals covering the current syllabi by the respective departments. After getting approval and receipt of fund, books and journals are procured under the supervision of the librarian. After acquisition, accession and cataloguing of the books are done, the books are made available to the users.

Table 4.1: Number of books and journals purchased during the last 4 years

Library holdings	2011-12		2012-13	
	No. added	Total cost (Rs.)	No. added	Total cost (Rs.)
Text books	263	61408.00	374	112331.00
Reference books	307	60948.00	317	125801.00
Journals/ Periodicals	28	1400.00	27	1350.00
Magazines	Nil	-----	Nil	-----
e-resources	Nil	-----	Nil	-----
Any other (specify)	Nil	-----	Nil	-----



Library holdings	2013-14		2014-15	
	No. added	Total cost (Rs.)	No. added	Total cost (Rs.)
Text books	56	16865.00	273	79922.00
Reference books	60	20665.00	310	112267.00
Journals/ Periodicals	18	925.00	10	600.00
Magazines	Nil	-----	Nil	-----
e-resources (specify)	Nil	-----	Nil	-----

Total books purchased in last four years: 1960

Total journals purchased in last four years: 83

4.2.4 Provide details on the ICT and other tools deployed to provide maximum access to the library collection?

- OPAC: Web OPAC is available within campus.
- Electronic Resource Management package for e-journals: INFLIBNET-NLIST program
- Federated searching tools to search articles in multiple database: No
- In-house/remote access to e-publications: Through NLIST Program
- Library automation: SOUL software
- Total number of computers available for public access: 03 (for office only)
- Total number of printers available for public access: 02 (for official purpose)
- Internet band with width/speed: 2 Mbps
- Institutional Repository: No such tool has been deployed till now
- Content management system for e-learning: No such tool has been deployed



- Participation in Resource sharing networks/consortia (like INFLIBNET):
Yes

4.2.5 Provide details on the following items:

- Average number of walk-ins: 100 per day
- Average number of books issued/returned: 80 per day
- Ratio of library books to students enrolled: 10:1
- Average number of books added during last three years: 460 per year
- Average number of login to OPAC: Not applicable
- Average number of login to e-resources: nil
- Number of information literacy trainings organized: nil
- Details of “weeding out” of books and other materials: Nil

4.2.6 Give details of the specialized services provided by the library

- Manuscripts: No
- Reference: No
- Reprography: Yes
- ILL (Inter Library Loan Service): No
- Information deployment and notification: Yes
- Download: Yes
- Printing: No
- Reading list/ Bibliography compilation: No
- In-house/remote access to e-resources: Yes
- User Orientation and awareness: Yes
- Assistance in searching Databases: No
- INFLIBNET/IUC facilities (Teachers and students through teachers): Yes

4.2.7 Enumerate on the support provided by the Library staff to the students and teachers of the college.

The library staff is always at the service of the library users.

4.2.8 What are the special facilities offered by the library to the visually/physically challenged persons? Give details.



The differently-abled students are assisted by the staff in many ways like aiding in finding and searching books, entry etc.

4.2.9 Does the library get the feedback from its users? If yes, how is it analysed and used for improving the library services. (What strategies are deployed by the Library to collect feedback from users? How is the feedback analysed and used for further improvement of the library services?)

General feedback from users is received from students. This also includes feedback on library service. The library committee takes the decision regarding the feedback.

4.3 IT Infrastructure

4.3.1. Give details on the computing facility available (hardware and software) at the institution.

Number of computers with Configuration (provide actual number with exact configuration of each available system)

Sl. No	Department/ Office	No. of computers	Configuration			
			Processor	RAM	HDD	OS
1	Principal's Chamber	1	Pentium-4	512 MB	160 GB	Windows XP
2	Teachers' Room	1	Pentium Dual Core	2 GB	250 GB	Windows 7
		1	Core i-3	2 GB	500 GB	Windows 7
3	Library	1	Pentium-4	256 MB	80 GB	Windows XP
		2	Core i-3	2 GB	500 GB	Windows 7
4	Physics	1	Pentium-4	1.5 GB	500 GB	Windows7
		1	Core i-3	4 GB	500 GB	Windows 7



Sl. No.	Department/Office	No. of computers	Configuration			
			Processor	RAM	HDD	OS
5	Chemistry	1	Core 2 Duo	2 GB	500 GB	Windows XP
6	Mathematics	1	Core 2 Duo	2 GB	500 GB	WindowsXP/7
		1	Pentium-4	192 MB	80 GB	Windows XP
7	Zoology	1	Pentium-4	256 MB	40 GB	Windows XP
8	Botany	1	Pentium-4	256 MB	40 GB	Windows XP
9	Microbiology	1	Pentium-4	2 GB	500 GB	Windows XP
10	Geography	1	Pentium Dual Core	2 GB	500 GB	Windows 7
11	Computer Lab.	1	Pentium Dual Core	1 GB	500 GB	Windows XP
		1		2 GB	160 GB	Windows XP
		1	Pentium Dual Core	2 GB	500 GB	Windows XP
		1	Pentium-4	2 GB	250 GB	
		1	Pentium Dual Core			
12	UGC-NRC	1	Core i-5	4 GB	500 GB	Windows 7
		1	Core i-5	4 GB	500 GB	Windows 7
		1	Core i-5	4 GB	500 GB	Windows 7
13	IQAC Cell	1	Core i-5	8 GB	1 TB	Windows 7



Sl. No	Department/ Office	No. of computers	Configuration			
			Processor	RAM	HDD	OS
14	Office of the UGC Remedial Coaching Class, Coaching for Entry into Services	1	Core i-5	4 GB	500 GB	Windows 7
15	Cash office	1	Pentium-3	127 MB	(20 + 80)GB	Windows XP
		1	Core i-3	2 GB		500 GB
16	Accounts Section	1	Pentium-S	16 MB	1.2 GB	Windows 7
		1	Core i-3	4 GB	500 GB	Windows 98
		1	Core i-3	4 GB	1 TB	Windows 7
		1	Core i-3	4 GB	1 TB	Windows 7
17	College Office	1	Pentium 4	1.5 GB	80 GB	Windows XP
		1	Core i-5	8 GB	1 TB	Windows 7
		1	Core i-5	8 GB	1 TB	Windows 7
18	Examination Office	1	Pentium Dual Core	2 GB	500 GB	Windows 7

- Computer-student ratio: 1:60.
- Stand alone facility: Nil
- LAN facility: Yes
- Wi-Fi facility: No
- Licensed software: Windows XP and Windows 7, Quickheal Antivirus



- Number of computers with LAN and Internet facility: 19
- Any other: A number of printers and scanners

4.3.2 Detail on the computer and internet facility made available to the faculty and students on the campus and off-campus?

Internet facility is available to the faculty and students within the campus during college hours. No off-campus facility is available.

4.3.3 What are the institutional plans and strategies for deploying and upgrading the IT infrastructure and associated facilities?

- An online procedure for admission to 1st year BA/ BSc/ B Com courses.
- Maintenance of accounts through software based system.
- Creating a technology enabled learning environment.
- Upgrading the computers and accessories with latest configurations as and when required.

4.3.4 Provide details on the provision made in the annual budget for procurement, upgradation, deployment and maintenance of the computers and their accessories in the institution. (Year wise for last four years)

Year	2011-12	2012-13	2013-14	2014-15
Expenditure	60,630.00	-----	81,842.00	-----

The details on the Annual budget and actual expenditure for procurement, upgradation, deployment and maintenance of the computers and their accessories in the institution are given below:

4.3.5 How does the institution facilitate extensive use of ICT resources including development and use of computer-aided teaching/learning materials by its staff and students?

The Institution always encourages staff and students to use ICT resources. Computers are available for specific use in certain departments. The faculty takes help of the ICT resources to enrich their prescribed curriculum with the help of Internet. Multimedia projectors are available for the teachers. Lectures are delivered using 'Power Point Presentations' in addition to the chalk and talk method of



teaching. Arrangement of smart class rooms has also been completed in the college for using by the faculty members.

4.3.6 Elaborate giving suitable examples on how the learning activities and technologies deployed (access to on-line teaching – learning resources, independent learning, ICT enabled classrooms/learning spaces etc.) by the institution place the student at the centre of teaching-learning process and render the role of a facilitator for the teacher.

The audio-visual facility is used as a teaching-learning resource. Computer laboratory with internet facility is available to the staff and the students. A special computer training programme was also organized recently for the teaching faculty so that more number of the teachers can utilize the IT based resources as a part of their teaching process. Multi-media resources like short films and videos are used to enrich learning experience of students.

4.3.7 Does the Institution avail of the National Knowledge Network connectivity directly or through the affiliating university? If so, what are the services availed of?

The college does not avail the connectivity through National Knowledge Network. But it plans to install the NLIST program in the library to give access all the faculty members and students to the established e-journals like journals published by **American Physical Society, Institute of Physics Publishing** etc.

4.4 Maintenance of Campus Facilities

4.4.1 How does the institution ensure optimal allocation and utilization of the available financial resources for maintenance and upkeep of the following facilities (substantiate your statements by providing detail of budget allocated during last four years)?

- Building
- Furniture
- Equipment
- Computer



- Vehicle
- Books

Detail of budget allocated during last four years for maintenance and upkeep of the abovementioned facilities are as follows:

Particulars/ Session	2011-12	2012-13	2013-14	2014-15
Building	113,148/-	2,049,921/-	1,077,689/-	461,310/-
Furniture	124,565/-	197,558/-	25,750/-	-----
Equipment	2,258,629/-	580,630/-	1,232,805/-	114,890/-
Computer	60,630.00	-----	81,842.00	-----
Vehicle	-----	-----	-----	-----
Books	150,909/-	214,275/-	30,254/-	171,238/-

4.4.2 What are the institutional mechanisms for maintenance and upkeep of the infrastructure, facilities and equipment of the college?

The college has a Maintenance Committee which looks after the maintenance requirements and makes recommendations which are placed to the governing body for approval of the same. The college also uses AMC process for ensuring all the computer hardware and other major equipment. External services are also hired for maintenance and up keep of the infrastructure, facilities and equipment.

4.4.3 How and with what frequency does the institute take up calibration and other precision measures for the equipment/instruments?

No such regular exercise is maintained till now. However, the technical staff and the faculty members of the concerned departments take the initiative to calibrate the instruments for their effective performances when needed.

All laboratories are equipped with fire extinguishers. 30 extinguishers have been posted at appropriate locations. These will be refilled in due time as and when required.



4.4.4 What are the major steps taken for location, upkeep and maintenance of sensitive equipment (voltage fluctuations, constant supply of water etc.)?

The college has installed two generators (10 KVA and 15 KVA) which supply electricity when there is power cut. In addition, a Kirloskar make DG Set Generator (63 KVA) has been installed to provide uninterrupted power supply to the main building especially during the examination season. Stabilizers have been installed with the sophisticated instrument to cope up with voltage fluctuation. All computers of the College are UPS protected. In near future, a separate transformer will be installed in the college to get rid of frequent voltage fluctuation.





CRITERION V: STUDENT SUPPORT AND PROGRESSION

5.1 Student Mentoring and Support

5.1.1 Does the institution publish its updated prospectus/handbook annually? If 'yes', what is the information provided to students through these documents and how does the institution ensure its commitment and accountability?

Raniganj Girls' College publishes its updated prospectus and the Academic Calendar every year. The prospectus provides the following information:

- Introduction of the college
- Infrastructure
- Courses offered
- Curriculum of the courses as per the university guidelines
- Intake capacity for each Course
- Eligibility Criteria, Admission and Registration
- Fees Structure and Mode of collection of fees
- Evaluation and examination
- Co-curricular and Extension activities
- Concessions and Financial aids available to students
- Endowment scholarships
- Details of the Governing Body
- Details of various departments with the list of teaching staff
- List of non-teaching staff
- Rules pertaining to the general functioning of the college
- Alumni Association
- Security of the campus

Additionally the Academic Calendar is the Academic Information Bulletin giving information about important dates and events of the current academic session. Information about the college is also available on the college website; raniganjgirlscollege.org

The college is fully committed towards empowering its learners. There are several committees supervised by the Principal to oversee the different academic and



administrative processes of the college. The institution ensures its accountability through continuous self-appraisal and effective implementation of proposals made in conformity with the vision of the establishment.

5.1.2 Specify the type, number and amount of institutional scholarships/ freeships given to the students during the last four years and whether the financial aid was available and disbursed on time?

The students of the college can avail different types of institutional scholarships and freeships for pursuing their academic career. The different types of financial aid received by the students from the college are:

- Students' Concession from College Fund,
- Students' Concession from Students' Union Fund,
- Six Endowment Scholarships of the college, and
(Based on donations made to the college specifically for this purpose)
- Teachers' Council Fund.

The Students' Concession committee comprising the Principal, the teachers and the students' representative scrutinizes the application of each individual student and decides upon the grant of full-freeship, half-freeship and quarter-freeship in fees on the basis of merit and financial needs of the applicant.

There are Six Endowment Scholarships donated by the kith and kin of a deceased incumbent of the college or donated by some ex-incumbent of the college in memory of their near ones. These scholarships too are granted on the basis of merit and financial background of the student.

From 2015, The Teachers' Council of the college has resolved to provide financial assistance to economically needy students to the amount of Rs 5000/- (Rupees Five thousand) per annum from the Teachers' Council Fund.

The college administration helps in prompt and timely disbursal of financial assistance to the students.

**Table 5.1.2a Financial aid received by the students
from the College Fund**

Year	Number	Amount (in Rupees)
2009-10	188	79230.00
2010-11	201	93540.00



Year	Number	Amount (in Rupees)
2011-12	211	135540.00
2012-13	204	72000.00
2013-14	199	106725.00

**Table 5.1.2b Concession received by the students
from the Students' Union Fund**

Year	Number	Amount (in Rupees)
2011-12	18	10525.00
2012-13	49	70460.00
2013-14	118	65785.00
2014-15	90	29345.00
2015-16	58	24900.00

Table 5.2.1c Six Endowment Scholarships

Year	Number	Total Scholarship amount (in Rupees)
2012-13	06	10493.00
2013-14	06	18322.00
2014-15	06	18398.00

Table 5.1.2.d Financial Assistance from Teachers' Council Fund

Date	Number	Amount (in Rupees)
22.04.2015	02	690.00
12.08.2015	01	400.00
21.08.2015	01	400.00
07.10.2015	01	140.00

5.1.3 Percentage of students who receive financial assistance from the State Government, Central Government and other national agencies

The college provides administrative and online support to facilitate the receipt of financial assistance by the students from the State government, Central government and other national agencies. In most cases the financial assistance is directly transferred to the beneficiary's account by the aid givers.



On an average, about 20% of the college students receive financial assistance from the State Government, Central Government and other national agencies.

5.1.4 What are the specific support services/facilities available for?

→ Students from SC/ST, OBC and economically weaker sections:

During admission to undergraduate courses, the Government of West Bengal rules pertaining to reservation of seats for SC, ST, OBC (A) and OBC (B) are strictly followed by the college. The exact percentage is shown in the table below.

**Table 5.1.4a. Seat reservation rules for admission,
Government of West Bengal**

Category	Proportion of the total intake capacity reserved
SC	22%
ST	6%
OBC (A)	10%
OBC (B)	7%

Institutional financial assistance and concession is available to SC, ST, OBC and economically weak students of the college.

The college also provides administrative and online support to facilitate the receipt of financial assistance by the students from the State government, Central government and other national agencies.

The college organizes UGC sponsored Remedial Coaching for SC, ST, OBC, Minorities and economically weak students of the college.

The college organizes UGC sponsored Coaching for Entry in Services for SC, ST, OBC, Minorities and economically weak students (such as School Service Commission).

The students of the weaker sections of the society are being counselled to buy life insurance policy and accidental insurance policy under the *Pradhan Mantri*



Jeevan Jyoti Bima Yojana and *Pradhan Mantri Suraksha Bima Yojana* available at a very low premium of Rs 330/- and Rs 12/- respectively per annum.

→ Students with physical disabilities

During admission to undergraduate courses, the Government of West Bengal rules pertaining to 3 percent reservation of seats for the physically challenged students are strictly followed.

The college acts as a facilitator for differently abled students applying for financial aid or any government scholarship.

Teachers encourage the peer groups to help their differently abled friend in college and library work.

The college has the provision of a ramp at the entrance of the main building for the physically challenged students.

Seating arrangement is made on the ground floor for such examinee during college and university examinations.

→ Overseas students

International or overseas students have never enrolled in this college.

→ Students to participate in various competitions/National and International

The teachers try to infuse enthusiasm and confidence among the students to participate in various competitions.

Notices about various competitions are circulated in the college.

The teachers communicate to the parents about the participation of a student in a competition in case the student is still a minor. When the competition is held outside the college, permission of the parents is obtained. The teachers also give assurance to the parents about the safety of their ward.

The participants are accompanied by the teachers of the college to the place of competition. Necessary arrangement for comfortable yet cheap lodging and healthy nutrition for the competitors is made.

The teachers are liberal with the class attendance of students who participate in various competitions.

The participants of various competitions are exempted from internal evaluation held during the period of competition. Later supplementary evaluation for such participants is held.



→ **Medical assistance to students: health centre, health insurance etc.**

The college has an arrangement with the Students' Health Home in Raniganj for providing medical assistance to all the bonafide students of this college. At a very nominal cost of Rs10/- (Rupees Ten) per annum, each student is eligible for medical treatment and medicine at the Students' Health Home.

Further this arrangement also acts like a health insurance for the student for the entire course of study. This is because the annual fee protects her from paying the full costs of medical services (available with the Students' Health Home) when she is sick or injured.

The National Service Scheme (NSS) of the college also arranges free health checkup camps for the students from time to time.

The college also has an understanding and arrangements with eminent medical personalities of the locality to provide their medical services and valuable advice to the students of the college on campus. The medical personalities on their part are ever willing to help the college.

→ **Organizing coaching classes for competitive exams**

The college organizes UGC sponsored coaching classes for Entry in Services through examinations like the teacher recruitment examination conducted by the School Service Commission.

→ **Skill Development (spoken English, computer literacy, etc.)**

Till December 2013, the college, aided by the Department of Technical Education and Training, Government of West Bengal, ran a six month Short Term Vocational Training Course in DTP at a nominal fee of Rs 270/- for general students and Rs 150/- for SC and ST students. A majority of our college students enrolled in this course to increase their skills and employability in the job market.

The college has also developed curricula for (a) A Course in Basics of Computer and (b) A Course in Spoken English and Soft Skills. These courses are open to the students as well as the teachers. There is no admission fee for enrolling in these courses. The programmes not only supplement the general curriculum but also make the students employment ready.



The students are also encouraged to join the skill development courses conducted by NSHM Udaan Skills Pvt. Limited in the college to facilitate scope for self employment for the students of average merit

➔ **Support for “Slow Learners”**

The teachers as mentors try to build the confidence and self-esteem of the slow learners. The mentors also counsel the peers of such students so that they do not discriminate their friends.

During class lectures, the teachers give bilingual explanations and sometimes tri-lingual explanations and repeat their lectures to make learning easier. The teachers also help them with their personal books and provide additional written study material. The students are also assisted with books and question paper from the book bank and question bank.

The teachers also conduct extra tutorial and remedial classes for slow learners. These classes are usually conducted from January to March of each academic session. Here the teachers try to identify the weakness in their students and subsequently design methods to solve their problems.

The college also organizes UGC sponsored Remedial Coaching for SC, ST, OBC, Minorities and economically weak students of the college.

The college meets the guardians of the slow learners and requests them to take extra care of their wards at home.

➔ **Exposures of students to other institution of higher learning/ corporate/business house etc.**

The students of the institution have gained exposure to other institutes of higher learning through participation in seminars and conferences. Eminent national and international personalities have visited our college during seminars and conferences organized by the college in 2011 and 2014. The students listened to the lectures of these men of learning and the interactive sessions created new perceptions for the learners.



**Table 5.1.4b A list of some of the eminent personalities who visited
Raniganj Girls' College**

Name of the eminent personality	Associated with	Year
Dr. Bikash Sinha	Ex-Director, VECC, Kolkata Padmabhushan Awardee (2010)	2010
Dr. Martin Kampchen	International Rabindra Scholar and German author	2011
Dr. Barid Baran Ghosh	Professor, Srigopal College, Hoogly	2011
Dr. Jayanti Chattopadhyay	Professor, Delhi University	2011
Dr. Shankar Bhattacharya	Professor, Mizoram University	2011
Dr. Alok Chakraborty	Professor, The University of Burdwan	2011, 2014
Dr Syed Tanveer Nasreen	Professor, Department of History ,University of Burdwan	2011
Swami Shastragyananda Maharaj	Principal, Rama Krishna Vidyamandir, Belur Math	2014
Swami Varupananda Maharaj	Rama Krishna Mission, Asansol	2014
Dr. Ram Dulal Bose	Ex-Professor, TDB College	2011, 2014
Dr. Manoj Chakraborty	Ex-Professor, TDB College	2011, 2014
Dr. Abdus Samad	Ex-Professor, TDB College	2011, 2014
Dr. Shakti Sadhan Mukhopadhyay	President, Bangiya Sahitya Parishad, Kolkata	2014
Professor Joydeb Sarkhel	Department of Commerce, Burdwan University	2005,2007, 2008, 2010
Dr Bhaskar Chattopadhyay	Department of History , Burdwan University and Director Bharata Vidaya Charcha Kandra	2005, 2007, 2010
Dr Ananda Bhattacharya	Assistant Director , West Bengal State Archives, Kolkata	2007
Dr Suchibrata Sen	Dept. of History, Visva Bharati	2007, 2010,



Name of the eminent personality	Associated with	Year
		2011
Dr Jolly Bagchi	Scholar of History and Music	2011
Dr Deepk Kumar	ICHR	2011
Dr Smriti Kumar Sarkar	Vice Chancellor, The University of Burdwan	2010
Prof Amit Mallik	Ex- Vice Chancellor, The University of Burdwan	2005, 2007, 2010
Dr. R. K. Bhandari	VECC, Kolkata	2010
Dr. Ajit Kumar Sinha	UGC-DAE-CSR, Kolkata	
Dr. S. R. Banerjee	VECC, Kolkata	
Dr. A. Ray	VECC, Kolkata	
Dr. Sailajananda Bhattacharya	VECC, Kolkata	
Dr. G. Mukherjee	VECC, Kolkata	
Dr. Alok Chakrabarti	VECC, Kolkata	
Dr. Asimananda Goswami	SINP, Kolkata	
Prof. B. Ghosh	The University of Burdwan	
Dr. Jan-e Alam	VECC, Kolkata	
Dr. Subhasis Chattopadhyay	VECC, Kolkata	
Dr. C. Bhattacharya	VECC, Kolkata	
Prof. Dinesh Kumar Srivastava.	VECC, Kolkata	2012
Dr.Sailajananda Bhattacharya.	VECC, Kolkata	
Dr. S. R. Banerjee.	VECC, Kolkata	
Dr. V. S. Pandit.	VECC, Kolkata	
Dr. Amlan Ray.	The University of Burdwan	
Prof. Dr. B. Ghosh.	SINP	
Prof. Asimananda Goswami.	VECC, Kolkata	
Dr. C Bhattacharya.	VECC, Kolkata	
Dr.Subhasis Chattopadhyay	VECC, Kolkata	
Dr. Jan-e Alam.	VECC, Kolkata	



Name of the eminent personality	Associated with	Year
Dr. Arup Bandyopadhyay.	VECC, Kolkata	
Dr. Gopal Mukherjee.	VECC, Kolkata	
Dr. Rajarshi Raut.	UGC-DAE-CSR	
Dr. Prabir Banerjee.	Presidency University	
Dr. Surajit Pal.	VECC, Kolkata	
Dr. Kaushik Bannerjee.	VECC, Kolkata	
Dr. Deepak Pandit.	VECC, Kolkata	
Prof. Mohit Bhattacharyya	Ex-V.C., The University of Burdwan	2011
Prof. Jay Tilak Guha Roy	Professor, IIPA, New Delhi	2011
Nimai Paramanik	The University of Burdwan	2011
Prof. Prabhat Dutta	Centenary Professor, Dept. of Pol. Science, Calcutta University	2011
Prof. Himangshu Ghosh	Chairman, The West Bengal College Service Commission.	2011
Prof. Apurba Mukhopadhyay	Professor, Netaji Institute for Asian Studies, Kolkata	2011
Prof. Rama Kundu	Prof. of The University of Burdwan.	2007
Prof. Mihir Bhattacharya	Prof. Jadavpur Univ.	2007
Prof. Sukriti Ghosal	Principal , MUC Women's College, Burdwan	2015
Dr. Indrani Deb	Principal , Nistarini College	2007
Prof. Shahnaz Nabi	(Iqbal Chair Prof.), Dept. of Urdu, University of Calcutta	2015
Dr. Md. Iqbal	Asst. Prof. Dept. of Urdu, Hoogly Mohsin College	2015
Dr Vimal Chandra Singh	Ex-Prof. BU	2015
Dr Ram Pukar Mishra	Ex-teacher, TDB College, Raniganj	2015



The students also gained exposure to an interactive learning process during an Inter-College NSS Camp organized by the NSS unit of the college in 2013.

From time to time, the Career Guidance and Placement Cell of the college help the undergraduates to be exposed to career oriented seminars and recruitment workshops sponsored by different companies who visit the campus.

→ Publication of student magazines

The annual magazine of the college named *Chalisnu Chetana* is published by the Students Union by inviting articles from students, teachers and the administrative staff of the college. The main attraction of the magazine is its multi-lingual nature with articles being published in four languages namely Bengali, English, Hindi and Urdu.

The History Department publishes a departmental magazine named *Prabahini*.

The Economics Department prepares collage of current news on economic affairs of national and international importance.

The students of the college also publish a number of departmental Wall Magazines, the list for which is given below:

Table 5.1.4b The list of Department Wall Magazine

Sl No.	Name of the Department	Name of the Magazine
1.	Bengali	Chetana
2.	Botany	Flora
3.	Chemistry	Ion
4.	Commerce	Paceioli
5.	Economics	Spotlight
6.	English	Voice of Silence
7.	Geography	Antareep
8.	Hindi	Vagdhara
9.	History	Cleo
10.	Mathematics	Ganit Manjari
11.	Microbiology	Animalcules
12.	Philosophy	Dishari
13.	Physics	Barnali



SI No.	Name of the Department	Name of the Magazine
14.	Political Science	Vox Populi
15.	Sanskrit	Samhita
16.	Urdu	Khusbu
17.	Zoology	Fauna

5.1.5 Describe the efforts made by the institution to facilitate entrepreneurial skills among the students and the impact of the efforts.

The efforts made by the institution to facilitate entrepreneurial skills among the students are summarized below:

- Motivating the students to participate in various competitions within and outside the college. It increases self-confidence and creates optimism.
- Encouraging the students to participate in extension activities like NSS and NCC. This cultivates discipline, team spirit and a sense of accountability and integrity.
- The responsibility of the Students' Union to organize the Annual Athletic Meet, the Annual Social Function and publish the college magazine 'Chalishnu Chetana' teaches them coordination and cultivates leadership and management skills.
- The involvement of the students in the publication of Departmental Wall Magazines and participation in group discussions and all types of seminars and workshops encourages creative thinking, help them to recognize opportunities and sharpen their communication and interactive skills.
- Encouraging the students to join skill development courses conducted in the college to increase their employability.
- Helping the students to forget their failures and move forward in life make them resilient.

Impact of the efforts

Four erstwhile students of the Commerce stream have their own small business enterprises. Two have opened a Ladies Tailoring Shop and two have opened a Ladies Beauty Salon. One enterprising student has started a primary school in English medium at New Kendua and some of the erstwhile students of our college are teachers of this primary school.



5.1.6 Enumerate the policies and strategies of the institution which promote participation of students in extracurricular and co-curricular activities such as sports, games, Quiz competitions, debate and discussions, cultural activities etc.

- ❖ **additional academic support, flexibility in examinations**
- ❖ **special dietary requirements, sports uniform and materials**
- ❖ **any other**

The policies and strategies of the institution which promote participation of students in extracurricular and co-curricular activities such as sports, games, Quiz competitions, debate and discussions, cultural activities and so on are enumerated below.

- The teachers play an important role in motivating and counseling the students about the benefits of extra-curricular and co-curricular activities.
- Encouraging the students to engage in indoor and outdoor sports and participate in different sports competition within and outside the college. Purchase of new sports implements increases the rate of participation among students. Awareness is also created among students interested in sports about the availability of employment opportunities through the sports quota.
- Inspiring the students to write articles for publication in the college magazine *Chalisnu Chetana* and showcase their writing skills.
- Motivating the students to publish the Departmental Wall Magazine and give them space to express their thoughts. Most interestingly the power point presentations made by some of the teachers fairly inspire them to think creatively for their Wall Magazine.
- The students are also motivated through ‘Thought for the Day’ written in the college campus.
- The activities of the Students’ Union encourage the students to get involved in various extra-curricular activities including participation in the cultural competitions, cultural programme, and games and sports.



- Interaction and active participation of the teaching staff and non-teaching staff along with the students on the Annual Athletic Meet Day, Annual Cultural Programme day and on days of cultural competition.
- Appreciating the efforts of the students successful in different competitions at the college level with the distribution of certificates and prizes.
- Flexibility in internal evaluation pattern of the college. Earlier in a given academic year the college sometimes conducted two unit test examinations in the Honours courses of study for each discipline. From the present academic session, it has been decided that Group discussions, MCQ tests and viva voce will form a part of the internal evaluation process along with the test examinations. This will promote student participation as it will reduce their tension about test examinations.
- Relaxation in the criterion on students' attendance for those students engaged in different activities like NCC, NSS and Youth Parliament Competition at the university, regional/district, state and national level in each academic year.
- Arranging Departmental Educational Tours, Field visits and excursions within and outside the curriculum. The teachers of the practical based departments like Botany, Zoology and Geography conduct field visits and excursions sometimes for the fulfillment of curriculum criterion and sometimes as departmental educational tours outside the curriculum. Further, the teachers of the History department conducted one-day educational tours outside the curriculum for the departmental students to Bishnupur, Garpanchakot and Hetampur in the years 2013, 2014 and 2015 respectively. Many more such educational tours are in the pipe-line.
- NSS kit consisting of dress and badge provided by The University of Burdwan to the NSS volunteers highly motivated them during the Inter-College NSS Camp of The University of Burdwan organized by the college in 2013.

5.1.7 Enumerating on the support and guidance provided to the students in preparing for the competitive exams, give details on the number of students appeared and qualified in various competitive exams such as UGC-CSIR- NET,



UGC-NET, SLET, ATE / CAT / GRE / TOFEL / GMAT / Central /State services, Defense, Civil Services, etc.

The college organizes UGC sponsored coaching classes for Entry in Services through examinations like the teacher recruitment examination conducted by the School Service Commission.

The NCC unit of the college provides support and guidance to the students of the college in pursuing a career inconformity with the motto of NCC- “Unity and Discipline”. The organized training schedule for the NCC cadets has helped about 14 cadets of the college to obtain employment with Civic Police Volunteers Force (CPVF) under the Asansol Durgapur Police Commisionerate in 2013. It has also helped 02 cadets to get employment with West Bengal Police Force.

5.1.8 What type of counselling services are made available to the students (academic, personal, career, psycho-social etc.)

The college is mainly focused on personal and academic counselling and inculcating self-confidence and optimism in the women. One-day seminars are organized to create awareness on women health and harassment of women. Workshops are also carried out on stress management and yoga.

Further, the teachers also try to create awareness about the opportunities in higher education and opportunities in employment available in the student’s life after graduation. They are continuously encouraged to join any skill development course and participate in cultural, co-curricular and extra-curricular activities so that new vistas of job opportunities are opened before them. Leading dailies advertising employment opportunities are subscribed by the library to which the students have open access. Information is displayed on the college notice board about the placement programme advertised by different universities. The Career Guidance and Placement Cell from time to time organizes career oriented seminars and recruitment workshops sponsored by different companies who visit our campus.

5.1.9 Does the institution have a structured mechanism for career guidance and placement of its students? If ‘yes’, detail on the services provided to help students identify job opportunities and prepare themselves for interview and



the percentage of students selected during campus interviews by different employers (list the employers and the programmes).

The college has a Career Guidance and Placement Cell. **This Cell is still in its nascent stage of development.** It has an **informally designed mechanism** where the mentors believe in confidence building and personality development measures. These measures guide the students to identify career opportunities and its related job profile amidst competition in the job market. Very recently, a Memorandum of Understanding (MOU) has been signed with NSHM Udaan Skills Pvt. Limited for facilitating scope for self employment for the students of average merit.

The Cell from time to time organizes career oriented seminars and recruitment workshops sponsored by different companies who visit our campus. **So far we have not been able to provide campus recruitment through on-campus interviews and recruitment by different employers in the conventional sense.** However, our informal mechanism of mentoring has helped vertical progression of students to higher education and job orientation. Quite a number of erstwhile students of the college have found employment with their alma mater, 'Raniganj Girls' College' in different capacities. A list of such recruitment is given below.

Table 5.1.9: Erstwhile students employed in Raniganj Girls' College

S.No	Year of recruitment	Name of the student/ The capacity in which recruited	Name of the employing institution
1.	2000	Papiya Panja Formerly NCC instructor of the college from 2000 to 2014. Currently temporary staff in the library from 2014.	Raniganj Girls' College
2.	2009	Deepa Biswas Government approved Part Time Teacher in History from 2009 to 2011.	Raniganj Girls' College
3.	2009	Jayashree Modak	Raniganj Girls'



S.No	Year of recruitment	Name of the student/ The capacity in which recruited	Name of the employing institution
		Government approved Part Time Teacher in Sanskrit. ANO of the NCC Unit of the college and trained at Women Officers Training Academy, Gwalior	College
4.	2013	Dipti Mondal Management appointed Part Time Teacher in Political Science	Raniganj Girls' College
5.	2013	Anamika Saiji Management appointed Part Time Teacher in History	Raniganj Girls' College
6.	2013	Ruma Ghosh Management appointed Part Time Teacher in History	Raniganj Girls' College
7.	2013	Piyali Chatterjee Management appointed Part Time Teacher in Political Science	Raniganj Girls' College
8.	2013	Sharmistha Dawn Temporary staff in the library	Raniganj Girls' College

Moreover it must also be mentioned here that many students of the college are recruited off-campus in different institutions both government and non-government and some are self-employed.

Many have qualified the examinations of School Service Commission and are now school teachers. Some are para-teachers in different schools of West Bengal and some are into nursing vocation. Some are employed in different private schools, private bank like HSBC and yet some in multinational companies. One of our erstwhile students, Ms Jahanara Khan is a Member of Legislative Assembly from Jamuria Constituency, Asansol.



The organized training schedule for the NCC cadets has helped about 14 cadets of the college to obtain employment with Civic Police Volunteers Force (CPVF) under the Asansol Durgapur Police Commissionerate (ADPC). It has also helped 02 cadets to get employment with West Bengal Police Force.

Four erstwhile students of the Commerce stream have their own small business enterprises. Two have opened a Ladies Tailoring Shop and two have opened a Ladies Beauty Salon. One enterprising student has started a primary school in English medium at New Kendua and some of the teachers of this primary school are erstwhile students of our college.

5.1.10 Does the institution have a student grievance redressal cell? If yes, list (if any) the grievances reported and redressed during the last four years.

The college has a Grievance Redressal Cell for the students. Further there is a Complaint Box for students to drop their complaints or grievances. However no grievances or complaints have been registered or reported in the past four years.

5.1.11 What are the institutional provisions for resolving issues pertaining to sexual harassment?

The institution has established a separate Women's Harassment Redressal Cell to better empower the women in a girls' college. It is envisaged that the Cell would not only address but try to resolve any issues pertaining to sexual harassment if the need arose. However we are lucky to state that no such issues have been reported in this college till today since its establishment.

5.1.12 Is there an anti-ragging committee? How many instances (if any) have been reported during the last four years and what action has been taken on these?

The college has an Anti-ragging Cell. The cell comprises of the Principal, the IQAC coordinator, representatives of the teaching and non-teaching fraternity, students' representatives, representative of the local community and Officer-in-charge of the local police station. This cell is engaged in preventing cases of ragging in the college campus. Anti-ragging campaign is carried out before the



- Availability of canteen facilities driven by low profit motive where food is available at a cheap rate.
- Girls' Hostel to be made functional soon.

5.1.14 Does the institution have a registered Alumni Association? If 'yes', what are its activities and major contributions for institutional, academic and infrastructure development?

The College Alumni Association 'Bandita' was formed in the Silver Jubilee year of the institution.

Some of the members of the Alumni Association are mentors of the college. The progression of these members from learners to mentors is a unique one. In the capacity of an alumnus they strengthen the bond between the present students and erstwhile students of the college. As a teacher and mentor, they inspire the present generation and guide them in their progression to higher studies

One of our alumni, Jahanara Khan, is at present a member of the West Bengal Legislative Assembly from Jamuria Constituency.

The members of the Alumni Association also help the academically weak students of the college who are at a risk of failure and drop out. They have made important contributions for the welfare of the college.

5.2 Student Progression

5.2.1 Providing the percentage of students progressing to higher education or employment (for the last four batches) highlight the trends observed.

Table 5.2.1 Student Progression for the last four batches

Student progression	2010-11	2011-12	2012-13	2013-14
	(%)	(%)	(%)	(%)
UG to PG	40	45	47	57
PG to M.Phil.	-	-	-	-
PG to Ph.D.	-	-	-	-
Employed				
Campus selection	-	-	-	-
Other than campus recruitment	0.5	0.5	1	5



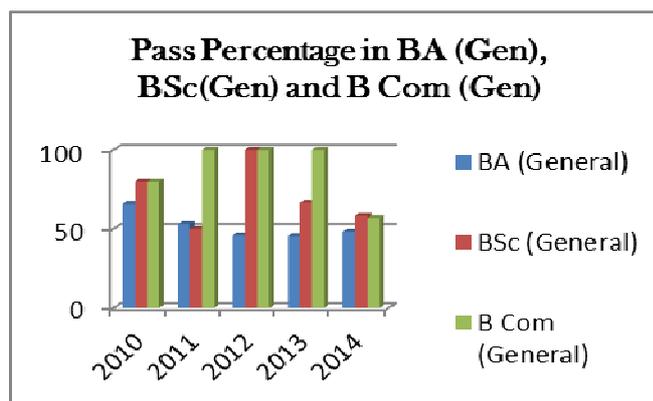
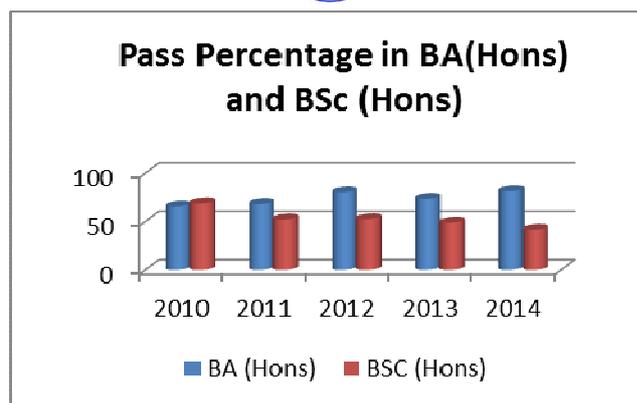
Over the years it has been found that there is an increasing trend in the students for pursuing post graduate courses as regular students or through distance mode. So far we have not been able to provide campus recruitment through on-campus interviews and recruitment by different employers in the conventional sense. Yet the college has also been successful in inculcating and building self confidence in the students.

It is reflected in the fact that many students find employment in different institutions both government and non-government without the assistance of on-campus interviews and recruitment drive. Again some students are self-employed. It is important to mention here that quite a number of erstwhile students of the college have found employment with their alma mater, 'Raniganj Girls' College' in different capacities.

5.2.2 Provide details of the programme wise pass percentage and completion rate for the last four years (cohort wise/batch wise as stipulated by the university)? Furnish programme-wise details in comparison with that of the previous performance of the same institution and that of the Colleges of the affiliating university within the city/district.

Table 5.2.2a Programme-wise pass percentage in the last five years

Year	Course of Study				
	BA (Hons)	BSC (Hons)	BA (General)	BSc (General)	B Com (General)
2010	65.7	68.8	65.8	80.0	80.0
2011	68.2	52.3	53.1	50.0	100.0
2012	80.4	52.6	45.8	100.0	100.0
2013	73.5	48.8	45.5	66.6	100.0
2014	81.6	41.7	48.2	58.3	57.0



The analysis of the results over five years indicate that in certain courses there has been a 100% pass percentage. As much as this is a moment of pride for the institution and the teachers, however, an uneven trend in the pass percentage of certain courses is also observed. This is an outcome of the social pressure for early marriage of the girl children. Thus the teachers continuously try to build self-confidence in the students and convince the parents to allow their wards to complete their courses of study. Some success is reflected in the overall increasing trend of pass percentage in the BA (Hons) Course between 2010 and 2014.

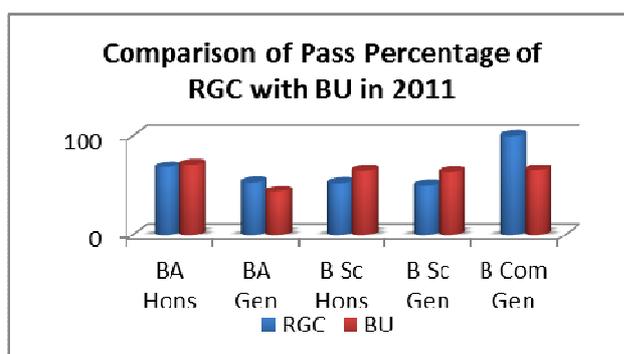
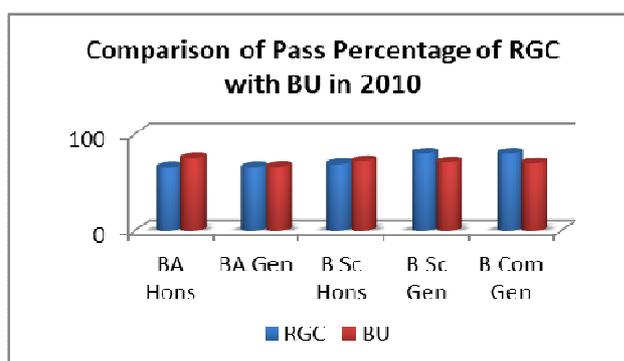
On an average, about 60.5% of the students have completed their undergraduate courses of study in the last five years.

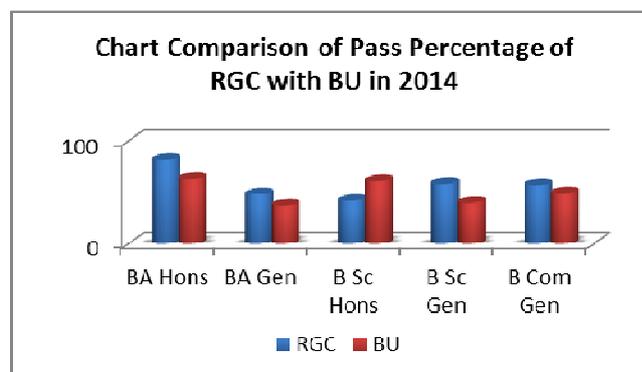
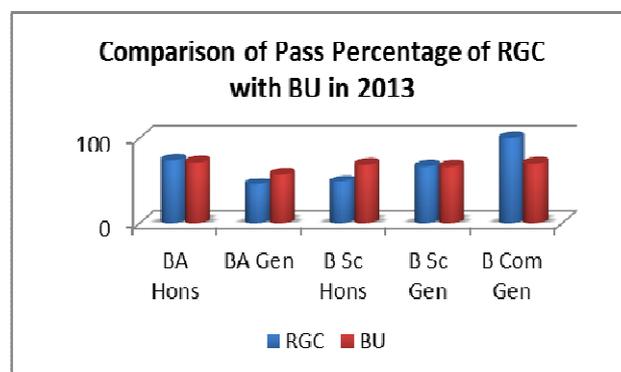
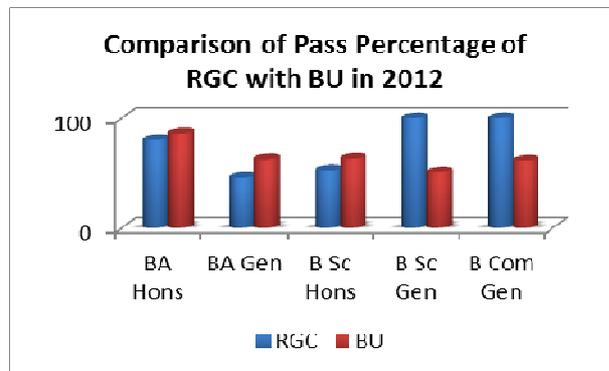
Information was collected on the overall performance of undergraduate courses of the affiliating university, namely The University of Burdwan (BU). A comparative analysis of the performance of our institution (RGC) with that of the affiliating university (BU) is given below.



Table 5.2.2b Programme-wise Comparison of pass percentage between RGC and BU in the last five years

Comparison of Pass Percentage between RGC and BU						
Year	Name of the Institution	BA Hons	BA Gen	B Sc Hons	B Sc Gen	B Com Gen
2010	RGC	65.7	65.8	68.8	80.0	80.0
	BU	75.2	66.1	72.1	71.0	69.9
2011	RGC	68.2	53.1	52.3	50.0	100.0
	BU	71.1	43.6	64.4	62.9	65.2
2012	RGC	80.4	45.8	52.6	100.0	100.0
	BU	86.1	62.8	63.4	50.8	61.6
2013	RGC	73.5	45.5	48.8	66.6	100.0
	BU	71.3	57.5	68.7	66.5	70.0
2014	RGC	81.6	48.2	41.7	58.3	57.0
	BU	62.5	37.2	60.8	39.8	49.2





5.2.3 How does the institution facilitate student progression to higher level of education and/or towards employment?

The institution facilitates student progression to higher level of education and employment through

- Informal counselling by teachers as mentors,
- Creating awareness about opportunities in higher education and employment and
- Respecting and encouraging the efforts made by the learners



The teachers as mentors try to inculcate confidence and self-esteem in the students. To develop their personalities they are encouraged to participate in different cultural, co-curricular and extracurricular activities both within and outside the college. From the present academic session, it has been decided that Group discussions, MCQ tests and viva voce will form a part of the internal evaluation process along with the test examinations. It has been observed that such evaluation methods though not part of the test examinations in the past developed acumen in the students to appear in competitive exams and face the interview board.

The mentors create awareness about the opportunities in higher education and opportunities in employment available in the student's life after graduation. They are continuously encouraged to join any skill development course that can increase new vistas of job opportunities.

A majority of our college students enrolled in the vocational course on DTP which ran successfully till December 2013. The college has also developed curricula for (a) A Course in Basics of Computer and (b) A Course in Spoken English and Soft Skills. These courses are open to the students and there is no admission fee for enrolling in these courses. The programmes not only supplement the general curriculum but also make the students employment ready.

Moreover the following courses are also offered at our college in association with NSHM Udaan Skills Pvt. Ltd as a part of the Prime Minister's national skill development programme.

- ◆ Hospitality
 - a. F & B Service (Food and Beverage)
 - b. Front Office Management
 - c. House Keeping
- ◆ Banking
- ◆ Beauty & Wellness
- ◆ Boutique
- ◆ Hardware and Networking
- ◆ Industrial Training Module
- ◆ Handicrafts

Awareness is created about post-graduate courses as advertised by different universities by displaying the same on college notice board. Leading dailies



advertising employment opportunities are subscribed by the library to which the students have open access. Information about the placement programme advertised by different universities is displayed on the college notice board.

From time to time, the Career Guidance and Placement Cell of the college organizes career oriented seminars and recruitment workshops sponsored by different companies who visit the campus.

The teachers respect the efforts made by the students in different aspects of their life for the mentors know that this one positive gesture could prove to be a life changing path for the student.

5.2.4 Enumerate the special support provided to students who are at risk of failure and drop out?

The students at risk of failure and drop out are at first ear-marked by the teachers during regular class hours. It is commonly observed that social pressure on the girls for early marriage, students having economically weak family background and the first generation learners are the most vulnerable section of the student population who are at risk of failure and drop out.

The teachers as mentors try to build the confidence and self-esteem of the above vulnerable section. The mentors also counsel the peers of such students so that they help their friends with their class work.

The college meets the guardians and counsels them about the potentials of students.

The institution provides financial assistance and concessions to economically weak student. It is also the facilitator of financial assistance available from state governments, central governments and other national agencies.

Recently the college has adopted earn while you learn programme.

During class lectures, the teachers give bilingual explanations and sometimes tri-lingual explanations and repeat their lectures to make learning easier. The teachers also help them with their personal books and provide additional written study material. The students are also assisted with books and question paper from the book bank and question bank.

The teachers also conduct tutorial and remedial classes for academically weak students and slow learners. These classes are usually conducted from January



to March of each academic session. Here they try to identify the weakness in their students and subsequently design methods to solve their problems.

The college also organizes UGC sponsored Remedial Coaching for SC, ST, OBC, Minorities and economically weak students of the college.

The financially weak students can avail the facilities of the college canteen which is run on the principle of low profit motive. Food is available in the canteen at a cheap rate. At a nominal rate of Rs 6/- only, a whole sum meal of two hand-made rotis and vegetable curry is available to the students.

5.3 Student Participation and Activities

5.3.1 List the range of sports, games, cultural and other extracurricular activities available to students. Provide details of participation and program calendar.

The college encourages the students to participate in a wide range of sports, games, cultural, co-curricular and extracurricular activities for their comprehensive development.

Sports and Games

The students can avail the indoor and outdoor sports and games facilities of the college. The sports instructor Mr Prafulla Dutta is trained in football, athletics and volley ball from Netaji Subhas National Institute of Sports, Eastern Centre, Kolkata of Sports Authority of India (SAI). Every week, he coaches and imparts training in both indoor and outdoor games to the students interested in sports and games activities.

Each year, in the month of February, the Students' Union under the patronage of the Sports Committee of the college organizes the Annual Athletic Meet on the Annual Sports Day in the college grounds. The members of the local Searsole Sports and Cultural Club help as volunteers in smooth conduct of the Annual Athletic Meet of the college on that day. The teachers, the administrative staff and the students interact with each other on this day and participate in various sports events. Later certificates and prizes are distributed to the winners of these events. Again Khichri as food is sponsored by the Students Union and served to all the students, teachers and administrative staff. As a gesture of gratitude, the members of the local Searsole Sports and Cultural Club are invited to eat Khichri.



This creates a happy ambience and special rapport between the learners, the mentors and the local community.

Further the Students' Union also arranges for competition in indoor games for the students, teachers and the administrative fraternity of the institution.

Cultural activities

The Students' Union with the support of the institution arranges a number of cultural activities. These include

- Cultural competition in music, dance, recitation, debate, quiz, extempore and alpna drawing,
- Welcoming the first year students across all disciplines on the day of Fresher's Welcome
- Staging the Annual Cultural Programme on the day of Annual Social Function. On this day, prizes are distributed to participants successful in different cultural competitions. This day forms the platform for display of hidden talents of all teachers, students and non-teaching staff.

The college also celebrates the National Youth Day, Republic Day, Antarjatic Bhasa Dibas (International Mother Tongue Day), Independence Day and Teacher's Day every year

National Service Scheme (NSS)

The students interested in welfare activities and believing in the motto "Not Me But You" are encouraged to join the National Service Scheme (NSS). Currently, there are two NSS units in the college consisting of 180 women volunteers. The two units are managed by Dr Tushar Kanti Banerjee as Programme Officer of Unit I and Ms Kheyali Sarkar as Programme officer of Unit II respectively. Under their able guidance, the students are actively involved in both regular activities and special camping activities of the college. The regular activities are carried out all the year round. The Special Camping activities are a seven day programme carried out in the nearby villages of Banskatpara and Joratalpara adopted by the two NSS units of the college. During special camping programme the units arrange for invited lectures and seminars on different topics for the benefit of the student.



National Cadet Corps (NCC)

The 5 Bengal Girls' Battalion NCC unit of the institution under the Burdwan Group provides an organized and regular training to the students who are interested in meeting the challenges of discipline, maintain physical dexterity, experience adventure and believe in the motto "Unity and Discipline". The present Associate NCC Officer (ANO) of the college unit, Lt. Jayashree Modak, also Government Approved Part-time teacher in Sanskrit, was herself as a student, an erstwhile NCC cadet of our institution. The cadets of the college participate in camps held at the State level and National level at regular intervals. They have also been awarded prize and certificates for their performance.

Youth Parliament Competition (YPC)

Youth Parliament Competition (YPC) is held annually in a particular academic session under the aegis of The Department of Parliamentary Affairs, Government of West Bengal first at the Regional/ District Level and later at the State Level among the different government and government-aided colleges of West Bengal. The aim of YPC is to "strengthen the roots of democracy, inculcate healthy habits of discipline, tolerance of the views of others and to enable the student community to understand the working of our Parliamentary institutions".

On receiving intimation about a forthcoming Youth Parliament Competition, the teacher, who is in-charge of Youth Parliament Competition in the college prepares a group of students through rehearsals and staging mock parliaments and makes them competition ready. In the past the students of the college have received various awards both at the district and State level for participating in Youth Parliament Competition.

Other Extra-curricular and Co-curricular activities include

- Publishing the college magazine *Chalisnu Chetana*.
- Publishing the Departmental Wall Magazines
- Publishing departmental magazine and collages.
- Participation in departmental and inter-departmental seminars.
- Participation in College Seminars and Workshop
- Participation in Departmental Group Discussions



- Participation in Departmental Educational Tours
- Participation of the students along with their teachers in welfare and outreach activities like donating clothes to 'Ananda Ashram' near Satgram and distributing writing materials to the economically disadvantaged children of the local community of Banskatpara and Joratolpara.

Programme Calendar

The programme calendar showing the activities available to the students of the college in a year has been arranged in two sections with (a) activities which are date specific and (b) activities which are period specific

Table 5.3.1 Programme Calendar

Activity	Date/Time of the year
National Youth Day	12 January
Republic Day	26 January
Antarjatic Bhasa Dibas (International Mother Tongue Day)	21 February
Independence Day	15 August
Teacher's Day	5 September
Sports and Games	Training in every week
Annual Athletic Meet (Annual Sports Day)	One day in February
Fresher's Welcome Day	One day
Annual Social Function	One day
Cultural Competition	One day
NSS Regular Activities	Throughout the academic session
NSS Special Camping Programme	A week in March
NCC	Throughout the academic session
Youth Parliament Competition	Any time in the academic session
Other Extra-curricular and Co-curricular activities	Discrete events throughout the academic session



5.3.2 Furnish the details of major student achievements in co-curricular, extracurricular and cultural activities at different levels: University / State / Zonal / National / International, etc. for the previous four years.

The major achievements of the students in co-curricular, extra-curricular and cultural activities at the University/District/State/National level have added a new dimension to the college profile.

The major achievements of the students of the college are listed below.

Table 5.3.2a Achievements in Sports

Year	Event	Number of Participants	Achievements
2010-11	Inter-Collegiate Badminton Tournament organized by The University of Burdwan on 17 th & 18 th August 2010	01	Selected 4 th and reserved as player for University Team
	12 th Non-Government College District Athletic Meet organized by Education Directorate, Government of West Bengal and held from 18 th to 20 th February 2011	04	2 nd rank in 400m 3 rd rank in 400m 2 nd rank in Long jump 3 rd rank in High jump
2011-12	Inter-Collegiate Badminton Tournament organized by The University of Burdwan and held 19 th & 20 th September 2011	01	Selected for the Burdwan University Badminton Team
	13 th Non-Government District Athletic Meet organized by Education Directorate, Government of West Bengal and held on 22 nd Feb 2012	01	3 rd rank in High jump
2012-13	14 th Non-government District	01	1 st rank in 1500m



Year	Event	Number of Participants	Achievements
	Athletic Meet organized by Education Directorate, Government of West Bengal and held on 5 th Feb 2013		2 nd rank in 800m
2014-15	Non-Government College District Badminton Championship organized by Education Directorate, Government of West Bengal and held on 31 st Jan 2015	03	Badminton Champion
2015-16	Selection for the Burdwan University Basket Ball team on 24 th September 2015	01	Selected for Basket Ball team of the Burdwan University

Table 5.3.2b Achievements in National Service Scheme (NSS)

Year	Achievements
2012-13	Inter-College NSS Camp of The University of Burdwan was organized by Raniganj Girls' College from 14 th March to 20 th March 2013. NSS volunteers from twelve other colleges affiliated to same university participated in the above Inter-College NSS Camp.
2014-15	NSS volunteers of Raniganj Girls' College participated in the State Level Cultural Programme on National Integration organized by Presidency University on 23 rd January 2015 as a representative of The University of Burdwan.

Table 5.3.2c Achievements in National Cadet Corps (NCC)

Year	Name of the Camp	Place	Number of cadets
2011	Rock Climbing Training Camp	Jaichandipahar, WB	01
	Thal Sena Camp	Delhi	02
	Republic Day Camp	Delhi	01



Year	Name of the Camp	Place	Number of cadets
2012	Thal Sena Camp	Delhi	02
	Special National Integration Camp	Nagaland	01
	Thal Sena Camp (IGC)	Darjeeling, WB	01
	Republic Day Camp (IGC)	Kachrapara, WB	02
2013	Thal Sena Camp (IGC)	Cooch Behar, WB	02
	Thal Sena Camp	Delhi	02
	Rock Climbing Training Camp (Advanced Course)	Jaichandipahar, WB	01
	Rock Climbing Training Camp	Gwalior	04
	Pre-Republic Day Camp	Kachrapara, WB	01
	Republic Day Camp (IGC)	Kachrapara, WB	01
2014	Republic Day Camp (IGC)	Kachrapara, WB	01
	Thal Sena Camp (IGC)	Kharagpur, WB	04
	Thal Sena Camp	Delhi	03
	Republic Day Camp	Delhi	01
2015	Mountaineering Basic Camp	Uttarakhand	01
	Special National Integration Camp	Lakshadweep	02
<p>In the past</p> <p>02 cadets of the NCC unit of the college have got ‘C’ Certification,</p> <p>01 cadet bagged the “Best Cadet Award” of Burdwan Group,</p> <p>01 cadet was awarded Governor’s Medal in 2005 and again in 2006.</p> <p>01 cadet contingent commander of Republic Day Camp in 2004.</p>			



Table 5.3.2c Achievements in Youth Parliament Competition

Year	Event	Number of Participants	Achievements
2014-15	Youth Parliament Competition (on Extempore and Quiz) at the District level held on 27 th & 28 th January 2015 at Burdwan Raj College, Burdwan	04	One student stood 3 rd in Extempore Competition

5.3.3 How does the college seek and use data and feedback from its graduates and employers, to improve the performance and quality of the institutional provisions?

The college elicits data and feedback from its graduates by word of mouth, telephonic conversations, feedback register, feedback form and social networking. The feedback from the graduates has helped the college to identify the causes of vulnerability of the students who are at risk of failure and drop out.

The college has addressed this problem through mentoring, meeting the guardians, counselling the students, academic support and providing financial assistance. So far we have not been able to provide campus recruitment through on-campus interviews and recruitment by different employers in the conventional sense. So the question of seeking and using data and feedback from the different employers does not arise.

5.3.4 How does the college involve and encourage students to publish materials like catalogues, wall magazines, college magazine, and other material? List the publications/ materials brought out by the students during the previous four academic sessions.

The teaching fraternity takes the responsibility to inculcate the idea of publication among the students of the institution in their very first year.

The annual magazine of the college named *Chalisnu Chetana* is published by the Students Union by inviting articles from students, teachers and the



administrative staff of the college. The teachers inspire the students to write short stories, rhymes, poems, experiences and riddles in any language for the college magazine and edit their write ups. Further to encourage the students, both the teaching and non-teaching fraternity contributes articles to the college magazine. The main attraction of the annual magazine is its multi-lingual nature with articles being published in four languages namely Bengali, English, Hindi and Urdu.

The History Department publishes an annual departmental magazine named *Prabahini*

The Economics Department from time to time prepares *Collage* of current news on economic affairs of national and international importance.

The students of the college also publish a number of departmental Wall Magazines. Here too the departmental teachers motivate the students and help them to choose the theme of the Wall Magazine. They also provide the students with materials and ideas such that each edition of the wall magazine becomes a success.

Table 5.3.4 List of the Departmental Wall Magazines

Sl No.	Name of the Department	Name of the Magazine
1.	Bengali	Chetana
2.	Botany	Flora
3.	Chemistry	Ion
4.	Commerce	Paceioli
5.	Economics	Spotlight
6.	English	Voice of Silence
7.	Geography	Antareep
8.	Hindi	Vagdhara
9.	History	Cleo
10.	Mathematics	Ganit Manjari
11.	Microbiology	Animalcules
12.	Philosophy	Dishari
13.	Physics	Barnali
14.	Political Science	Vox Populi
15.	Sanskrit	Samhita
16.	Urdu	Khusbu
17.	Zoology	Fauna



5.3.5 Does the college have a Student Council or any similar body? Give details on its selection, constitution, activities and funding.

The college, as an affiliated institution of the university, forms a Students' Union every year according to the rules and regulations laid down by the university.

The Students' Union is a democratically elected body of students with representation from each class and elected by simple majority voting system and through secret ballot.

The Students' Council consists of (a) the President, (b) the Vice President, (c) the General Secretary, (d) Assistant General Secretary, (e) Secretaries and assistant secretaries of different sections (namely Cultural, Games and Athletics, Magazine and Literature, Bigyan Parishad, Students' Welfare and Common Room) and (f) Class representatives. The Principal of the college is the ex-officio President of the Union. All the other office bearers of the Union are elected from the elected members of the Council. The General Secretary is the Executive Head of the Union and carries out the day to day functions of the Union with the assistance of the other office bearers of the students' body.

The Students' Union is actively involved in different extra-curricular, co-curricular and welfare activities of the college. In any given academic year, they help the college to organize different types of cultural activities, sports and athletic activities, publish the college magazine and help in the disbursement of financial aid to the maximum number of meritorious yet economically needy students.

The funding of the activities of the students' union is done from a subscription of Rs 100/- (Rupees hundred only) collected from each bonafide student of the college per annum.

5.3.6 Give details of various academic and administrative bodies that have student representatives on them.

The various academic and administrative bodies of the institution having student representation are

Governing Body: The General Secretary of Students' Union is an ex-officio member of the Governing Body of the college, the highest decision making body of the institution.



Students' Concession: The committee comprising the Principal, the teaching and the students' representative looks into the welfare of the students of the institution. It scrutinizes the application of each individual student and decides upon the grant of full-freeship, half-freeship and quarter-freeship in fees on the basis of merit and financial needs of the applicant.

Cultural Committee: The committee is responsible for conducting different types of cultural activities and organizing the Annual Cultural programme of the College.

Games and Athletics: The committee is actively engaged in facilitating an atmosphere for games and athletics in the college. It organizes both indoor and outdoor games and competition for the students, the teaching and the non-teaching faculty and is responsible for arranging Annual Athletic Meet of the college.

Magazine Committee: The committee is responsible for inviting articles from the students, teachers, and the administrative staff for the publication of the magazine 'Chalisnu Chetana'.

Grievance Redressal Cell: The cell has been constituted for the purpose of redressal of grievances of the students of the college. However no grievances or complaints have been registered or reported in the last four years.

Women's Harassment Cell: The cell was established with the purpose of addressing problems related to harassment of women if the need arose. Here too no case of harassment has been reported so far.

Anti-ragging Cell: The cell is engaged in preventing cases of ragging in the college campus. Infact there has been no reported cases of ragging within the college campus.

5.3.7 How does the institution network and collaborate with the Alumni and former faculty of the Institution.

The College collaborates with the Alumni Association in its academic activities as some of the members of the Alumni Association are mentors of the college. In the role of a teacher as a mentor they inspire the present generation and guide them in their progression to higher studies. The members of the Alumni Association also help the academically weak students of the college who are at a risk



of failure and drop out. They have made important contributions for the welfare of the college.

The college also networks and collaborates with former faculty members of the institution. They are invited as resource persons to deliver lectures in seminars and conferences organized by the college. The former faculty members have also made major donations to the college. The Six Endowment Scholarships of the institution have been donated by the kith and kin of a deceased incumbent of the college or donated by some ex-incumbent of the college in memory of their near ones. The details of these Six Endowment Scholarships are given below.

Table 5.3.7 Six Endowment Scholarships of the Institution

Sl.No	Name of the Scholarship	Donor	Eligibility of the Endowment	Number
1.	Bandita Basak Smriti Puraskar (reintroduced from 2009-10)	Smt. Nandita Basak (in memory of her young sister, Smt Bandita Basak, Former Lecturer of the Department of Political Science, RGC)	Those attaining highest marks in General Course among the economically backward students	01
2.	Nivanani Sarkar Smriti Puraskar (Introduced from 2009-10)	Smt. Latika Sankar, (in memory of her mother)	Those attending highest marks in History Honours in the University Final Examination.	01
3.	Dr. Dipali Bhattacharya	Dr. Tushar Kanti Bhattacharya	Those attending highest marks in	02



Sl.No	Name of the Scholarship	Donor	Eligibility of the Endowment	Number
	Smriti Puraskar (Introduced from 2011-12)	(in memory of his wife, Former Reader, Department of Philosophy, RGC)	(i) Philosophy Honours in the University Final Examination (ii) As a whole in the University Final Examination	
4.	Sri Chandan Bardhan Smriti Puraskar (introduced from 2012-13)	Dr. Krishna Bardhan (Ghosh) , Former Principal, RGC (in memory of her husband)	Two second year student who are poor and meritorious 1. From Dept. of English 2. From Dept. of Physics, (based on their performance in the Part-I (Honours) Examination of The University of Burdwan)	02

These Endowment Scholarships are awarded to the deserving scholars during the annual cultural programme of the college.

Thus the collaboration with the Alumni Association and the erstwhile faculty members of the institution not only benefit the learners but help to bond the present with the past.





CRITERION VI: GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 Institutional Vision and Leadership

6.1.1 State the vision and mission of the Institution and enumerate on how the mission statement defines the institution's distinctive characteristics in terms of addressing the needs of the society, the students it seeks to serve, institution's traditions and value orientations, vision for the future, etc.?

The vision, mission and objectives of the college have already been spelt out in mission and vision statement of the college under "curriculum planning and implementation". The motto of our college is "असतो मा सद्गमय । तमसो मा ज्योतिर्गमय" ("asato ma sadgamay tamaso ma jyotirgamay") i.e. "lead us from untruth to truth and from darkness to light" which broadly encompasses the mission, vision and objectives of our college.

The stated goals of our institution clearly specify that the ultimate goal is to facilitate women's empowerment through higher education. Our institution aims at spreading the light of higher education among the girl students of the colliery belt across social strata.

The institution can boast of a tradition of working towards women's emancipation by developing the girl students as holistically transformed human resources.

We have a definite vision of elevating the college to a superior level at par with the modern standards.

6.1.2 What is the role of top management, Principal and Faculty in design and implementation of its quality policy and plans?

The college administration is run in strict conformity with the statutes and ordinances of the affiliating university as well as abiding by the Government Orders issued by the Director of Public Instruction, Government of West Bengal from time to time.

At the college level, the highest decision making authority is the Governing Body constituted according to the relevant statute of the affiliating university. The Principal is the Ex-officio Secretary of the Governing Body (GB). According to the



statutory provisions there are three duly elected Teacher Representatives as members of the GB. The Principal implements all the decisions adopted in the meetings of the Governing Body either by herself or by delegating powers to the members of the faculty.

Besides, there is an active Internal Quality Assessment Cell comprising senior members from the faculty. IQAC is engaged in relentless monitoring of the internal academic and administrative quality of the college.

6.1.3 What is the involvement of the leadership in ensuring:

- **the policy statements and action plans for fulfillment of the stated mission**
- **formulation of action plans for all operations and incorporation of the same into the institutional strategic plan**
- **Interaction with stakeholders**
- **Proper support for policy and planning through need analysis, research inputs and consultations with the stakeholders**
- **Reinforcing the culture of excellence**
- **Champion organizational change**

Top Management

The Governing Body duly constituted according to the statutory provisions of the affiliating university constitutes the top management of Raniganj Girls' College. The Governing Body is chaired by an elected President and the Principal of the college is its ex-officio Secretary. Other members of the Governing Body comprise one Government Nominee, three nominees of affiliating university, three elected representatives of the faculty, two elected representatives of the non-teaching staff, and the General Secretary of the Students' Union. The Governing Body is reconstituted according to the university statute every three years.

Operation of all bank accounts pertaining to various college funds is done jointly by the Principal and one of any two other members duly authorized by the Governing Body.

The functions of the Governing Body are:

- To advise the Principal on all administrative matters.



- To formulate policies for the functioning and development of the institution
- To ensure that the college is run in strict conformity with the adopted policies and the prevalent statues and government orders
- To pass annual budget
- To advise the Principal on disciplinary matters pertaining to the students and the staff.

Principal

The Principal is the academic and administrative head of the institution. She oversees the academic and administrative affairs of the college with the support of the members of the faculty, the Teachers' Council and the non-teaching staff. The Principal executes all the decisions taken by the Governing Body. Above all as the supreme head of the college she inspires and motivates students to pursue excellence in all walks of life and also regularly interacts with the stakeholders to ensure overall development of the college.

Faculty

The faculty periodically interacts through departmental meetings, meetings of the Teachers' Council and various other committees about academic, co-curricular and other activities and provides inputs to the college authority for formulation and monitoring of developmental policies.

6.1.4 What are the procedures adopted by the institution to monitor and evaluate policies and plans of the institution for effective implementation and improvement from time to time?

Monitoring and evaluation of the policies and plans of the institution are done at various levels. At the lowest level, members of the faculty of each department formally meet to monitor intra-departmental academic matters like distribution of syllabus among the teachers, periodic evaluation, conduct of examination and remedial measures etc.

Larger issues involving the college are discussed thoroughly in the meetings of the Teachers' Council. There are several other committees like Academic Committee, Finance Committee, Purchase Committee etc. concerning academic, financial and administrative matters which take decisions on matters pertaining to their jurisdiction.



one of our alumni, is at present a member of the West Bengal Legislative Assembly from Jamuria Constituency.

Leadership quality is developed among the teachers by involving them in various committees and assigning them various time-bound objectives for the overall development of the college.

6.1.7 How does the college delegate authority and provide operational autonomy to the departments / units of the institution and work towards decentralized governance system?

Good administration demands decentralization and delegation of powers and responsibilities. In our college all administrative and academic works are delegated to various committees for proper management. For example, the admission process is the responsibility of the admission committee of which all members of the teaching staff are members. Similarly the finance committee looks after the financial matters of the college. The purchase committee supervises all purchase processes and consideration of tenders. The committees constituted for organizing various examinations collectively conduct internal and university examinations. In this way various committees work in synchronization for smooth running of the college. Whenever a committee's decisions are required to be ratified by a higher authority like the Governing Body, it is so done.

The IQAC receives input from various committees and takes appropriate decisions for quality assurance which are referred to the GB for ratification and implementation.

6.1.8 Does the college promote a culture of participative management? If 'yes', indicate the levels of participative management.

Yes. The college promotes a culture of participatory management. In all the important decision making bodies including the Governing Body there are members representing all strata of the college. Apart from teacher members there are also Non-Teaching Staff representatives and a student representative. At the students' level the activities of various departments of the Students' Union is supervised by a Teacher-in-Charge. Thus an ambience of inclusive and participatory management is sustained in the college.



6.2 Strategy Development and Deployment

6.2.1 Does the Institution have a formally stated quality policy? How is it developed, driven, deployed and reviewed?

The quality policy is reflected in the stated vision and mission of the college. During all deliberations regarding policy decisions the vision and mission statements are kept in mind. Policy making and advisory bodies like the Teachers' Council, IQAC and the Governing Body also always review all activities in terms of the stated vision and mission of the college.

6.2.2 Does the Institute have a perspective plan for development? If so, give the aspects considered for inclusion in the plan.

Given our limited resources and because of our dependence on the Government of West Bengal and the University Grants Commission for financial assistance it is not possible for us to draw an elaborate long term perspective plan for development. However, we always grab the opportunities provided by the Government of West Bengal and the University Grants Commission by way of different schemes for developmental projects.

Our priorities have always been to focus on infrastructural development and providing modern amenities for the students for their all round development.

6.2.3 Describe the internal organizational structure and decision making processes.

The Governing Body of Raniganj Girls' College is the highest decision making body. The Principal as the institutional head manages the academic and administrative affairs of the college and is responsible for executing the decisions adopted by the Governing Body. The Teachers' Council as a statutory body advises the Principal on academic and administrative issues. The administrative and support staff execute the instructions given by the Principal. Various committees including IQAC, Finance Committee, Building Committee etc. take decisions on matters under their jurisdiction and communicate them to the Principal for further and final consideration of the Governing Body. The Bursar oversees the financial affairs of the college.



6.2.4 Give a broad description of the quality improvement strategies of the institution for each of the following

- **Teaching & Learning**
- **Research & Development**
- **Community engagement**
- **Human resource management**
- **Industry interaction**

Teaching and Learning

We always focus on student-centric teaching-learning process. One of our major concerns has been to replace the still dominant lecture demonstration method by the modern techniques of teaching which increasingly depend on the use of Information and Communication Technology and multimedia. Therefore we are motivating the teachers to use ICT and intelligent classroom more than the traditional lec-dem method. Students are also motivated to use the internet and INFLIBNET facility.

Research & Development

As Raniganj Girls' College is an undergraduate college there is little scope for us to involve the students in research. But our teachers are actively involved in research activities. Apart from research for acquiring the degree of PhD, teachers also undertake minor research projects of the University Grants Commission and research projects financed by Governmental agencies.

Community Engagement

Our college is serving the community to a great extent by providing quality education to the girl children of this locality. This is our primary duty. But beside that there are two villages which are adopted by our college. The students of the college, especially the NSS volunteers regularly keep in touch with the villagers and try to bring about a positive transformation in their lives by exposing them to modern knowledge and hygienic lifestyle.

Besides, our college provides support to Ananda Ashram, a home for destitute children at Raniganj coal-field area by donating clothes and offering intimate company mainly by our Students' Union.



Human resource management

The teachers of our college are sent to different courses offered by the UGC-Human Resource Development Centres across the country. Both the Teaching and Non-Teaching staff are assigned different tasks by involving them with the activities of various committees.

Industry interaction

There has not been any industry interaction so far.

6.2.5 How does the Head of the institution ensure that adequate information (from feedback and personal contacts etc.) is available for the top management and the stakeholders, to review the activities of the institution?

The Principal is the Secretary of the Governing Body of the college. She presides over the periodic meetings of the Teachers' Council and IQAC. She also regularly interacts both collectively and individually with the non-teaching staff. The deliberations made in these meetings and information collected through personal interaction with various stake holders are adequately paid attention to and appropriate decisions are taken, implemented and reviewed by her. If necessary such matters are referred to the Governing Body of the college.

6.2.6 How does the management encourage and support involvement of the staff in improving the effectiveness and efficiency of the institutional processes?

The college administration is run in a decentralized manner. This entails delegation of academic, administrative and co-curricular responsibilities to the members of the Teaching and Non-teaching Staff. All teaching staff are involved in the activities of various committees as members. Non-teaching employees are also assigned various administrative and co-curricular tasks. This ensures improvement of the effectiveness and efficiency of the institutional process.

6.2.7 Enumerate the resolutions made by the Management Council in the last year and the status of implementation of such resolutions.

The following are some of the major resolutions adopted by the Governing Body of Raniganj Girls' College in the last year their status of implementation:



Resolutions	Status of implementation
INFLIBNET	Completed
Computerization of the college library	In process
Installation of sanitary napkin vending machine	Completed
Rainwater harvesting	Completed
Utilization of vacant and unutilized land on the campus for cultivation of vegetables for generation of income	Completed
Computerization and LANning of the college office	Completed
Installation of firefighting equipment	Completed

6.2.8 Does the affiliating university make a provision for according the status of autonomy to an affiliated institution? If ‘yes’, what are the efforts made by the institution in obtaining autonomy?

No, there is no provision for according autonomy to an affiliated college in the statutes of Kazi Nazrul University.

6.2.9 How does the Institution ensure that grievances / complaints are promptly attended to and resolved effectively? Is there a mechanism to analyse the nature of grievances for promoting better stakeholder relationship?

There are several committees and cells in our college to attend to any kind of grievance and resolve them. Such committees/cells like the Anti-Ragging Cell, Anti Women’s Harassment Cell etc. are ready to promptly deal with any grievance registered with them. However we are proud of the fact that till now no complaint has yet been registered with any of the cells. But that does not leave any room for complacency. Rather we remain more alert and vigilant.



6.2.10 During the last four years, had there been any instances of court cases filed by and against the institute? Provide details on the issues and decisions of the courts on these?

No. There had been no court case in the last four years either filed by the college or filed against the college.

6.2.11 Does the Institution have a mechanism for analyzing student feedback on institutional performance? If 'yes', what was the outcome and response of the institution to such an effort?

Yes. Our college has a mechanism for eliciting student feedback. Each year the outgoing students are given a feedback form and they are asked to provide feedback on various aspects of their institution. All such feedbacks are later on analyzed and appropriate measures are taken to improve upon the facilities of the college.

6.3 Faculty Empowerment Strategies

6.3.1 What are the efforts made by the institution to enhance the professional development of its teaching and non teaching staff?

There is no formal mechanism for training the non-teaching staff for professional development. However in view of computerization and LANning of the office the non-teaching staff are informally but adequately trained to effectively use technology. Whenever new gadgets are procured the employee concerned is trained to use it. The members of the non-teaching staff are also sent to various workshops organized by the affiliating university or the Government of West Bengal.

The college also permits all employees including non-teaching staff to formally pursue any discipline or course.

6.3.2 What are the strategies adopted by the institution for faculty empowerment through training, retraining and motivating the employees for the roles and responsibility they perform?

All teachers are encouraged and motivated to attend Orientation and Refresher Courses at Human Resource Development Centres of various universities



across the country. On duty leave is granted to the teachers for presenting papers in seminars.

6.3.3 Provide details on the performance appraisal system of the staff to evaluate and ensure that information on multiple activities is appropriately captured and considered for better appraisal.

Every teacher is given a diary before the commencement of the academic year. The contents of the diary are: personal timetable, record of co-curricular and extra-curricular activities and record of leave. The diary is maintained by the teachers to ensure compliance with the academic plans. These diaries are periodically assessed by the head of the institution.

In the departmental meetings the performance of a teacher in terms of completion of syllabus is reviewed.

6.3.4 What is the outcome of the review of the performance appraisal reports by the management and the major decisions taken? How are they communicated to the appropriate stakeholders?

Feedback received from various stakeholders are reviewed thoroughly by the college authority. The Principal takes appropriate steps as deemed fit.

6.3.5 What are the welfare schemes available for teaching and non-teaching staff? What percentage of staff have availed the benefit of such schemes in the last four years?

There are many welfare schemes available for the teaching and the non-teaching staff of our college. First, there is an employees' co-operative credit society in our college from which members can avail loans whenever required. Secondly whenever there is a delay in pay fixation or disbursement of government salary the employees are paid 80% per cent of their salary as advance from the college fund. Thirdly temporary non-teaching employees are annually paid an ex-gratia amount during the festival season. Finally in case of exigencies the employees of the college may avail of loan from Provident Fund and the college also assists them by providing advance depending on the merit of the case.



6.3.6 What are the measures taken by the Institution for attracting and retaining eminent faculty?

As ours is a government aided college where recruitments to academic positions are made according to the recommendations made by The West Bengal College Service Commission we cannot appoint permanent faculty members on our own. However within our limited means we try to retain our experienced and eminent faculty members after retirement. For example Prof. Latika Sarkar, Associate Professor of History has been retained as a Management Appointed Guest Lecturer after her retirement.

6.4 Financial Management and Resource Mobilization

6.4.1 What is the institutional mechanism to monitor effective and efficient use of available financial resources?

The Finance Committee and the Governing Body monitors effective and efficient use of the available financial resources. The Bursar of the college looks after the day to day transactions and implements the decisions taken by the Finance Committee and the Governing Body. The Annual Budget of the college is prepared at the end of each financial year for the next financial year by the Bursar and is duly considered by the Finance Committee and the same is referred to the Governing Body for final approval.

To ensure transparency and accountability internal audits are done annually before the stipulated Government Audit for each financial year.

6.4.2 What are the institutional mechanisms for internal and external audit? When was the last audit done and what are the major audit objections? Provide the details on compliance.

For every financial year internal audit is done by the college and corrective measures are taken according to the observations made by the auditor. At the next stage government audit is conducted by an external auditor duly appointed by the Director of Public Instruction, Government of West Bengal.

The last Government Audit was done in the year 2010-12.

In the last government audit one major objection raised by the auditor was as follows:



“Two Fixed Deposit Vide Number RDP 500800335 & 500800336 of Rs 436694/- Rs 140227/- issued in the Name **Self**. It should be in the name of Raniganj Girls College.”

Later on corrective measures were taken and those Fixed Deposit accounts are now in the name of Raniganj Girls’ College.

6.4.3 What are the major sources of institutional receipts/funding and how is the deficit managed? Provide audited income and expenditure statement of academic and administrative activities of the previous four years and the reserve fund/corpus available with Institutions, if any.

The major sources of institutional receipts include funds provided by the Department of Higher Education, Government of West Bengal and the University Grants Commission under various schemes. Fees are also collected from the students to meet some of the expenses involved. Occasionally donations are also received from various Governmental Organisations, Public Sector Enterprises, Elected People’s Representatives and distinguished individuals.

We do not normally come across any deficit. If there is any deficit expenditure on one particular head we offset it either by curtailing expenditure on (an) other head(s) or by making internal fund transfers.

The following is the income and expenditure statement of the previous four years:

Income				
Particulars	2011-12	2012-13	2013-14	2014-15
Govt. Grant in Aid	27239149	23122785	29588057	20601516
Grants(UGC)	2074800	2721649	1637689	315000
Grant (State)	0	0	0	912593
Scholarship (Govt)	0	29000	117000	0
Fees from students	2820125	2853300	3521385	4802355
NCC	28530	0	0	0
NSS	89000	213900	89000	94000
Others	1401967	1452778	1913991	12883145



	33653571	30393412	36867122	39608609
Expenditure				
Particulars	2011-12	2012-13	2013-14	2014-15
Salary Grant	27239149	23122785	29670457	20540593
UGC Teacher Fellowship	0	0	15000	0
UGC FDP (Sub. Teacher)	0	0	400092	145488
Building	113148	2049921	1077689	461310
Furniture & Fixtures	124565	197558	25750	0
Books and Journals	150909	214275	30254	171238
Equipments	2258629	580630	1232805	114890
Computers	60630	0	81842	0
Seminar/Conference	1623500	274724	110000	115000
Scholarship	0	29000	102300	0
Concession	145740	150549	203510	0
50% Tuition fee	0	277368	687786	866368
NCC	28530	0	0	0
NSS	45000	90000	114000	94000
Others	429579.25	2236697	2732767	16606484
	32219379.25	29223507	36484252	39115371

There is no corpus or reserve fund available with the college.

6.4.4 Give details on the efforts made by the institution in securing additional funding and the utilization of the same (if any).

The college runs chiefly on funds received from the Government of West Bengal and the University Grants Commission under various schemes. Funds are also received from various other governmental and non-governmental organizations occasionally. Elected people's representatives and eminent personalities have also donated funds to the college on many occasions. The college authority makes sustained endeavours to mobilize additional funds from eminent personalities and Public Sector Enterprises like Eastern Coalfields Limited etc.

6.5 Internal Quality Assurance System (IQAS)

6.5.1 Internal Quality Assurance Cell (IQAC)



- a. Has the institution established an Internal Quality Assurance Cell (IQAC)? .6 If 'yes', what is the institutional policy with regard to quality assurance and how has it contributed in institutionalizing the quality assurance processes?
- b. How many decisions of the IQAC have been approved by the management / authorities for implementation and how many of them were actually implemented?
- c. Does the IQAC have external members on its committee? If so, mention any significant contribution made by them.
- d. How do students and alumni contribute to the effective functioning of the IQAC?

e. How does the IQAC communicate and engage staff from different constituents of the institution?

- a. The Internal Quality Assurance Cell of Raniganj Girls' College was first established on 5th May 2013 by a resolution adopted by the Governing Body. The IQAC cell was reconstituted in 2015.
The IQAC operates according to the guidelines prescribed by UGC/NAAC and takes decisions on the proposals referred to it by the Teachers' Council and other academic bodies.
- b. Various decisions taken by the IQAC have been forwarded to the Governing Body for approval.
- c. At present there are two external members of IQAC. They have contributed to the decision and policy making process by providing significant inputs.
- d. Students or alumni members have been included in the IQAC from 2015. Suggestions received from them regarding quality assurance are duly given importance and deliberated upon.
- e. IQAC is liberally helped by various members of the teaching and the non-teaching staff of the college whenever required.

6.5.2 Does the institution have an integrated framework for Quality assurance of the academic and administrative activities? If 'yes', give details on its operationalisation.



The IQAC is yet to formalize an integrated framework for quality assurance. Efforts are on to set up a mechanism for assuring quality with regard to academic and administrative activities of the college.

6.5.3 Does the institution provide training to its staff for effective implementation of the Quality assurance procedures? If ‘yes’, give details enumerating its impact.

No. There is no provision for imparting training to the staff.

6.5.4 Does the institution undertake Academic Audit or other external review of the academic provisions? If ‘yes’, how are the outcomes used to improve the institutional activities?

IQAC has a plan to conduct academic audit in the college and has submitted the relevant documents to the appropriate authority for processing.

6.5.5 How are the internal quality assurance mechanisms aligned with the requirements of the relevant external quality assurance agencies/regulatory authorities?

Since ours is a government aided college under the administrative control of the Director of Public Instruction, West Bengal as well as the affiliating university we always have to abide by their instructions issued from time to time. Apart from that the IQAC monitors the academic and administrative activities of the college to maintain the standards prescribed by the UGC and NAAC.

6.5.6 What institutional mechanisms are in place to continuously review the teaching learning process? Give details of its structure, methodologies of operations and outcome?

The teaching learning process is scrutinized at two basic levels namely in the departmental meetings and in the meetings of the Teachers’ Council. The findings of these bodies are referred to the IQAC for decision making and referral to the Governing Body.



6.5.7 How does the institution communicate its quality assurance policies, mechanisms and outcomes to the various internal and external stakeholders? Any other relevant information regarding Governance Leadership and Management which the college would like to include.

The quality assurance policies of the institution are communicated to various internal and external stakeholders through the Prospectus of the college, the Annual Report and the Website. The policies are also informally communicated to the stakeholders during various interactions.





CRITERION - VII: INNOVATIONS AND BEST PRACTICES

7.1 Environmental Consciousness

7.1.1 Does the institute conduct a Green Audit of its campus and facilities?

The Raniganj Girls' College campus comes under the Fringe region of Chotonagpur Plateau with laterite soil and a subtropical climate setting with an average temperature hovering between 35° C in summer and 20°C in winter. The college is located in an area of 6.258 acres with green vegetation. It is green with: Flower plants, Fruit and timber yielding plants, Herbal shrubs & plants, potted plants, etc.

The department of Botany has completely surveyed the campus and named and numbered the trees. The campus recorded a total number of trees as 357 till December 2015. The greenery is maintained by watering and pruning of plants by students and teachers of various departments and also by the non-teaching staff.

We are glad to state that the green audit in the institution has been completed successfully by the Directorate of Forest, Government of West Bengal, Office of the Divisional Forest Officer, Durgapur Division.

Steps toward Environmental consciousness:

1. We use to convert the bio-degradable waste materials into compost for our own vegetation.
2. Use of plastics (polythene, thermocol, PVC etc.) is minimised and non-degradable waste like plastics etc. are handed over to the Municipal garbage section.
3. We try to recycle solid waste (like- building debris, unused building materials) of the campus in construction work and approach roads.
4. Waste papers are sold to the vendors for recycling.
5. Rejected computers, printers, key-boards etc. are handed over to the concerned organisation for recycling purpose.
6. Use of tobacco in the campus premises is strictly prohibited.
7. The College buildings are kept clean properly by dusting and wet mopping on a daily basis. The college premises are sprayed with pest controlling agents once



in three months. All toilets and urinals are cleaned on daily basis.

8. Aquaguards are cleaned properly on daily basis
9. Classrooms are provided with cross-ventilation facilities that ensures sufficient natural lighting thereby minimising use of electricity.
10. Electric fittings and plumbing are kept in proper condition to prevent short circuiting and leakage of water
11. The College takes adequate measures to sensitise students and staff about energy and environmental conservation as well as pollution hazards.
12. All electrical appliances (like- lights, fans, air-conditioners, refrigerators and other laboratory instruments) are switched off when not in use.
13. We are planning to change most of our existing traditional light sources (like- Bulbs and Tube lights) to LED instead of CFL.
14. Electronic appliances (like- fans, refrigerators and air-conditioners etc.) are purchased in such a way that energy consumption is minimised.
15. The College has installed water harvesting system and is making use of stored rainwater.
16. The College makes use of solar energy by installing solar street lamps on the campus and has a plan to set up solar panels for large scale use of solar energy in future.
17. The College has replaced CRT monitors with LCD monitors, and DOT matrix printers with Deskjet & Laser Jet printers.
18. The College implements hazardous waste management with burial pits for waste water from the Chemistry lab.
19. The College organises seminars on environment-related issues on Environment and Earth Day. National environmental awareness campaign on biodiversity conservation was conducted in 2007-08 and certificate of excellence was awarded by the Ministry of Environment & Forests (Government of India, 2008).

7.1.2 What are the initiatives taken by the college to make the campus eco-friendly?

- **Energy conservation:**

The fans, lights, etc. of a class room are switched off immediately after the concerned class is over. Each of the class rooms, laboratories, office rooms, in



the college are provided with Miniature Circuit Breaker (MCB) switches as a preventive measure against electrical hazards, misuse of electrical power etc. All the switches are installed on the outside wall adjacent to the door of the class room. Students, mainly from NSS unit and students' union of the college have been properly trained to look after the whole system. Non-teaching staff are also properly trained by explaining the whole matter.

- **Use of renewable energy**

College makes use of solar energy by installing solar street lamps on the campus and has a plan to set up solar panels for large scale use of solar energy in future.

- **Water harvesting**

a. Rainwater harvesting is an innovative approach for supply of water throughout the year. It is the process of capturing, diverting and storage of rainwater for future use. Implementing rainwater harvesting in the Raniganj area is highly beneficial for the supply of water (for any purpose) especially during the dry summer season.

b. Raniganj Girls' College has already installed two tanks for the purpose of rain water harvesting. Rain water is collected from the rooftop of the College and Hostel buildings with the help of proper channel and downspouts. Additionally, the tanks are provided with pulleys that support water collection by using rope and bucket to supply water to the adjacent cultivating fields of our college. This mechanical process not only saves conventional electrical energy but also provides an opportunity to improve the health of the students concerned by this way of exercising.

- **Check dam construction**

It is beyond the scope of our college.

- **Efforts for Carbon neutrality**

a. In an effort to reduce carbon the previously practiced method of destroying waste garbage and plants (grass and weeds) by incineration, has been replaced by dumping those underground for decomposition, thereby producing bio-fertilizer.

b. Adequate plantation of trees, shrubs and herbs in the college premises not only reduce carbon content from the college environment but also maintain adequate greenery in the College campus.



- **Plantation**

Annual tree plantation programme is conducted by the college for maintaining a herbal plant garden, beautification of the campus and revenue generation. The department of Botany plays an important role by giving suggestions and advice as per requirements. All the students as well the staff including teachers are actively engaged in maintaining the plantation programme of the college. For beautification list of flowering plants is given in (Table 7.1), for revenue generation vegetables, a list is given in (Table 7.2), for Timber & fruit yielding plants, a list is given in (Table 7.3) and for medicinal garden herbs and shrubs having medicinal values a list is given in (Table 7.4).

Table 7.1 Flowering plants that are being used for beautification etc.

S. N.	Common Name	Scientific Name
1	Jaba	<i>Hibiscus rosasinensis</i>
2	Sandhyamaloti	<i>Mirabilis jalapa</i>
3	Nayantara	<i>Catharanthus roseus</i>
4	Rose	<i>Rosa sinensis</i>
5	Rangan	<i>Ixora arborea</i>
6	Ghanda	<i>Tagetes sp.</i>
7	Kagojful	<i>Bouganvelia sp.</i>
8	Kathmaloti	<i>Tabernaemontana dichotoma</i>
9	Tagar	<i>Tabernaemontana divaricata</i>
10	Rajanigandha	<i>Polianthes tuberosa</i>
11	Ganddharaj	<i>Gardenia jasminoides</i>
12	Patabahar	<i>Acalypha wilkesiana</i>
13	Ashanti blood	<i>Mussaenda erythrophylla</i>



S. N.	Common Name	Scientific Name
14	Cycas	<i>Cycas sp.</i>
15	Football lily	<i>Haemanthus multiflorus</i>
16	Pink Lily	<i>Zephyranthes rosea</i>
17	Seuli	<i>Nyctenthus arbor-tristis</i>

Table 7.2 Revenue generating Flowering Vegetables

Serial No.	Common Name	Scientific Name
01	Tomato	<i>Lycopersicon esculentum</i>
02	Onion	<i>Allium cepa</i>
03	Cauliflower	<i>Brassica oleracea</i>
04	Chilli	<i>Capsicum annuum</i>
05	Pumpkin	<i>Cucurbita moschata.</i>
06	Beans	<i>Phaseolus vulgaris</i>
07	Palak	<i>Spinacea oleracea</i>
08	Soyabean	<i>Glycine max</i>
09	Egg plant	<i>Solanum melongena</i>
10	Winged bean	<i>Psophocarpus tetragonolobus</i>
11	Lady's Finger (Okra)	<i>Abelmoschus esculantus</i>
12	Pea	<i>Pisum sativum</i>
13	Cucumber	<i>Cucumis sativus</i>
14	Potato	<i>Solanum tuberosum</i>
15	Radish	<i>Raphanus sativus.</i>
16	Spinach	<i>Spinacia oleracea.</i>
17	Carrot	<i>Daucas carota.</i>
18	Bitter Gourds	<i>Momordica charantia</i>
19	Coriander	<i>Coriandrum sativum</i>
20	Methi	<i>Trigonella foenumgraecum</i>
21	Ginger	<i>Zingiber officinalis</i>
22	Turmeric	<i>Curcuma longa</i>

**Table 7.4: Medicinal plants that are being used**

S. N.	Common Name	Scientific Name
01	Ghritakumari	<i>Aloe vera</i>
02	Kalmegh	<i>Andrographis paniculata</i>
03	Neem	<i>Azadirachta indica</i>
04	Bramhi	<i>Bacopa monniera</i>
05	Akanda	<i>Calotropis gigantean</i>
06	Dadmari	<i>Cassia alata</i>
07	Nayantara	<i>Catharanthus roseus</i>
08	Thankuni	<i>Catella asiatica</i>
09	Aparajita	<i>Clitoria ternatea</i>
10	Atasi	<i>Crotalaria restusa</i>
11	Aada	<i>Curcuma amada</i>
12	Halud	<i>Curcuma longa</i>
13	Dhutra	<i>Datura stramonium</i>
14	Keshut	<i>Eclipta prostrata</i>
15	Helencha	<i>Enydra fluetuens</i>
16	Kulekhara	<i>Hygrophila auriculata</i>
17	Patharkuchi	<i>Kalanchoe Pinnata</i>
18	Sushni	<i>Marsilea minuta</i>
19	Pudina	<i>Mentha piperita</i>
20	Lajjabati	<i>Mimosa pudica</i>



S. N.	Common Name	Scientific Name
21	Curry leaf	<i>Murraya koenigii</i>
22	Tulsi	<i>Ocimum sanctum</i>
23	Gandal	<i>Paederia scandens</i>
24	Swet Berela	<i>Sida cordifolia</i>
25	Basak	<i>Adathoda vasika</i>

- **Hazardous waste management**

The common hazardous waste material of the college primarily include chemical wastes from the Chemistry laboratory discarded plastic packets, used pens, refills which are collected separately and disposed via municipality waste disposal system.

- **e- waste management**

Typical e-wastes generated at the college are due to obsolete computers, TVs and rejected electronic equipment from different laboratories. Components from picture tubes, CRT, mother board, lead from UPS battery, costly chips from microprocessor, soldering material are reusable if proper procedures are adopted. We hand over all these obsolete (so far as the college need is concerned) materials generated by the college to M/s P. C. Solution, Raniganj, Burdwan. A Memorandum of Understanding (MOU) has been signed between P. C. Solution and Raniganj Girls' College regarding environment friendly disposal of e-waste generated by our college. According to this agreement, P.C. Solution would purchase obsolete or discarded electronic waste like old computers, UPS etc for proper disposal and in return the company would extend its services for maintenance of the existing computers. The value of service provided by PC Solution would be at par with the valuation of the e-waste collected by them.

7.2 Innovations:

- **Teaching-learning:** Adequate care is taken to maintain friendly atmosphere between students and teachers to strengthen the teaching-learning standards. Surprise tests and group discussions help a lot in this direction. Students are



always inspired to put their questions/queries before the teachers without any hesitation. The college also introduced internal assessment of the students based on Multiple Choice Questions, Oral tests and Group Discussions. These innovative methods are adopted to prepare them for competitive examinations and enhance their articulatory ability.

- **Administration and Office work:** Both the teaching and non-teaching staff are highly dedicated and actively participate in academic and administrative work. From time to time free discussions are arranged among the teaching and non-teaching members of the college under the supervision of the Principal aiming at smooth running and enrichment of the college. Whenever required, students' representatives are also invited in the discussions.
- **Measures taken against Mosquitoes, insects, etc.:** The windows in the office rooms, class rooms, staff rooms on the ground floor have been covered with fine polyester nets as a protection from mosquitoes, flies and other insects.
- **Power-saving:** The fans, lights, etc. of a class room are switched off immediately after the concerned class is over. Each of the class rooms, laboratories, office rooms, in the college are provided with Miniature Circuit Breaker (MCB) switches as a preventive measure against electrical hazards, misuse of electrical power etc. All the switches are installed on the outside wall adjacent to the door of the class room. Students, mainly from NSS unit and students' union of the college have been properly trained to look after the whole system.
- **Inviting suggestions from students and alumni:** Suggestions from existing as well as Ex-students are invited to run the college at its best on the basis of analysis on the feedbacks from the students.
- **Installation of sanitary napkin vending machine in the college premises:** This practice in the college premises is blessing for the girls students. It is not only important for their personal hygiene but also great relieve for them from embarrassment.
- **Earn While You Learn:** We try to involve our students, especially, from financially poor backgrounds in several official work like certificate writing, help in library work etc.; and provide them with an honorarium.



7.3 Best Practices

❖ **Best practice - I: Enrichment of students beyond syllabus**

The Goal:

The great philosopher Socrates has said, “Education is not the filling of a vessel but the kindling of a flame”. Therefore, the main objective is not to make the college education merely a collection of bookish information but inculcate value education, enhance the quality of life of the students and make them responsible citizens of the country.

The Context:

- Practical knowledge based education can only make a complete person. It involves practical experience in the subject matter and provides in depth knowledge of the fact.
- Develops better understanding.
- It can also develop unity among the students and motivate team work.
- Displaying student-attendance on the College Notice board on a regular basis.
- Innovative methods of raising funds for poor students.

The Practice:

- **Quote of the week:** Every week we share inspirational quotes of the legendary authors with our students on the college ‘display board’ at the entrance of our college and on different floors of the college buildings. These quotes are not merely aggregations of words but are powerful nuggets of wisdom summarized in one or two lines.
- **Word of the day:** Word of the day covers less frequent, more advanced words, useful for competitive exams and for acquiring a wider and deeper knowledge of words in different languages. We not only display the quotes and words on display boards but also have open- corridor discussions with the students and help them in understanding the same.
- **Stress Management Programme:** Programme is conducted on stress management with the goal of encouraging healthy coping strategies. Our college organizes yoga workshops on a regular basis in which students



participate actively. Yoga has lots of positive outcomes. Practice of yoga can ease both social and mental stress.

• **Cleanliness drive:**

1. 'Pick a paper (polyethylene, waste paper), every day, every staff and student picks a paper from the college premises and dumps it into the nearby dustbin'.

"Many a little makes a mickle". The 'Pick a paper' cleanliness drive is based on the belief that college premises will reflect itself as a waste paper free zone in the near future.

2. Student - teacher participation for cleaning up laboratories. Occasionally the science laboratories arrange cleanliness drive to clean class laboratories wherein both the students and teachers participate.

Evidence of Success:

Our experience of the programmes being undertaken is a testimony to the fact that both the institution and its staff and students are mutually benefitting from them. Visitors to the college impressed with our endeavours. We are confident that we will definitely get more positive outcomes from such programmes.

Problems Encountered and Resources Required:

Cent percent active participation in this endeavour is yet to be achieved. Whole hearted efforts are necessary to overcome the obstacles.

BEST PRACTICE II: The College and its social responsibility

Goal:

Our objective is to accomplish betterment and upliftment of socio-economic conditions of the society we encounter around us within our present constraints.

The Context:

The students and staff being an integral part of our society have immense social responsibility for its betterment. In doing so a college is ethically bound to discharge its responsibilities towards its surrounding neighborhood for upliftment of its socio-economic conditions. A survey of the society reflects several notable impairments including ignorance, superstitions, lack of scientific knowledge, poverty and



destitution. Our college is duty bound to eradicate such social evils as far as possible.

The Practice:

The practices toward society includes –

- i. At a point of time, the incidence of water borne diseases in the local neighbourhood of the college was found to be quite high. Analysis of the quality of drinking water of the Raniganj coal field region was carried out by different disciplines of the college engaged in an environmental project. The findings of the environmental project were communicated to the concerned municipal authorities. Further awareness campaign was carried out to sensitize the local community about their source of drinking water and quality of the water consumed. This helped to improve the general health condition of the local community.
- ii. Awareness campaigns are organised on health issues are organised from time to time.
- iii. Our college is providing support to Ananda Ashram, a home for destitute children near Satgram in Raniganj coal-field area by donating clothes and offering intimate company mainly by our Students' Union.
- iv. To make the students self-sufficient, our college organizes skill development programmes on regular basis. A Memorandum of Understanding (MOU) has been signed between NSHM Udaan Skills Pvt. Ltd., and Raniganj Girls' College with the view to conduct skill training programs under the ambit of National Skill Development Corporation (NSDC) approved programme. The following courses are to be conducted at the college centre:
 - ✓ Hospitality which includes
 - a. F & B Service (Food and Beverage)
 - b. Front Office Management
 - c. House Keeping
 - ✓ Banking
 - ✓ Beauty & Wellness
 - ✓ Boutique
 - ✓ Hardware and Networking
 - ✓ Industrial Training Module
 - ✓ Handy Craft.



- v. Seminars, workshops and street campaigns on Biodiversity conservation arranged to make the neighbouring society aware of its importance.
- vi. Students of the Department of History independently celebrate Childrens' Day by presenting some gifts to the children of the adopted villages of the NSS units of our college in our neighbourhood.
- vii. A blood donation camp was organized by the NSS unit of the college in collaboration with HDFC Bank, Raniganj Branch in the college premises.
- viii. The National Service Scheme (NSS) units of our college are actively engaged in carrying out different social responsibilities. A list of social activities (2010-2015) at a glance of the NSS units of the college has already been mentioned in Criterion-III.

Evidence of Success:

- i. Few children of Ananda Ashram, an orphanage near Satgram in the Raniganj Coal field area, visited our college on the occasion of Annual Cultural Programme and staged a cultural programme.
- ii. A total of 62 students & teachers participated and donated blood in the blood donation camp recently organized by NSS units of the college in collaboration with HDFC Bank, Raniganj Branch.

Problems Encountered and Resources Required:

We faced some obstacles during our campaign and survey programmes due to ignorance and inadequate knowledge of the target people. For instance, during one of our surveys we observed that few people of the locality preferred microbially contaminated drinking water from dug-well than municipality supplied drinking water, because they believed that the water of the well was comparatively cooler. Repeated campaigns and discussions were arranged against such biased and unscientific views.

Contact Details

Name of the Principal	: Dr Chhabi De
Name of the Institution	: Raniganj Girls' College
City	: Searsole Rajbari, Raniganj
Pin Code	: 713358
Accredited Status	: First Cycle Accrediation
Work Phone	: 0341-244-4069
Fax	: 0341-244-9274
Website	: www.raniganjgirlscollege.org
E-mail	: raniganjgirlscollege@gmail.com
Mobile	: 9434025079



EVALUATIVE REPORTS OF THE DEPARTMENTS

Languages

- Bengali
- English
- Hindi
- Sanskrit
- Urdu

Social Sciences

- Economics
- Geography
- History
- Philosophy
- Political Science

Pure Sciences

- Chemistry
- Mathematics
- Physics

Bio-Sciences

- Botany
- Microbiology
- Zoology

Commerce



Evaluative Report of the Department of Bengali

1. Name of the department: **BENGALI**
2. Year of Establishment

Name of the Course	Establishment
General Course	Academic Session 1980
Honours Course	Academic Session 1996-97

3. Name of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc) : **UG**
4. Name of Interdisciplinary course and the department /unit involved: **NA**
5. Annual/semester/choice based credit system (Programme wise): **Annual**
6. Participation of the department in the courses offered by other department: **NA**
7. Courses in collaboration with other universities, industries, foreign institution, etc.: **NA**
8. Details of courses /programmes discontinued (if any) with reasons: **NA**
9. Number of Teaching posts:

	Sanctioned	Filled
Professors	NIL	NIL
Associate Professors	NIL	NIL
Asst. Professors	02	01

10. Faculty profile with name, qualification, designation, specialization, (D.sc/D.Litt./Ph.D./M .Phil. etc.)

Name	Qualification	Designation	Specialization	No. of Year of Experience	No. of Ph.D. Students Guided for the last 4 years
Dr. Arnab Saha	M.A. Ph.D	Asst. Professor	19 th Century Studies.	1 year	NIL
Dr. Tushar Kanti Banerjee	M.A. Ph.D	Govt. Approved Part-Time Teacher	Rabindranath	6 Years	NIL
Smt. Soma Mukherjee	M.A	Govt. Approved Part-Time Teacher	Katha Sahitya	6 Years	NIL
Smt. Chandrani Mukherjee	M.A	Govt. Approved Part-Time Teacher	Madhya Yug	6 Years	NIL
Smt. Atasi Kayborto	M.A	Management Appointed Part-Time Teacher	Rabindranath	2 Years	NIL



11. List of senior visiting faculty: **NIL**
12. Percentage of lectures delivered and practical classes handled(Programme wise)
By temporary faculty: **NIL**
13. Student- Teacher ratio(Programme wise): **HONS- 18.33 : 1 , GEN - 158.6 : 1**
14. Number of academic support staff (technical)and administrative staff; sanctioned and Filled: **NA**
15. Qualification of teaching faculty with D.Sc./D.Litt./Ph.D./PG.: **PG., Ph.D**
16. Number of faculty with ongoing project from a)National b)International funding agencies and grants received:
Applied for UGC sponsored National Level Seminar. 2015
17. Departmental projects funded by DST-FIST;UGC;DBT;ICSSR, etc. and total grants received: **NIL**
18. Research Center/facility recognized by the University: **NIL**
19. Publications:
 - a. Publication per faculty: **Chapter in Books: 06+03+01+02= 12**
Books Edited: 09+02=11
Books with ISBN/ISSN number: 09+02=11
 - b. Number of papers published in peer reviewed journals
(national/international) by faculty and students. **NIL**
 - c. Number of Publications listed in International Database(For E.g. Web of science ,Scopus, Humanities International Complete, Dare Database- International Social Sciences Directory, EBSCO host, etc) **NIL**
 - d. Monographs: **NIL**
 - e. Chapter in Books: **06+03+01+02= 12**
 - f. Books Edited: **09+02=11**
 - g. Books with ISBN/ISSN number with detail of publishers: **09+02=11**
 - h. Citation Index: **NIL**
 - i. SNIP: **NIL**
 - j. SJR: **NIL**
 - k. Impact Factor: **NIL**
 - l. h-index: **NIL**
20. Areas of consultancy and income generated: **NIL**
21. Faculty as members in
 - a. National committees: **NIL** b. International Committees: **NIL** c. Editorial Boards : **NIL**



22. Student project

- Percentage of students who have done in-house projects including inter departmental /Programme: **100% (Project on Environmental Studies for the Third year students as a part of their curriculum)**
- Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/Other agencies : **NIL**

23. Awards/Recognitions received by faculty and students: **NIL**24. List of eminent academicians and scientists/visitors to the department: **NIL**

25. Seminars /Conferences /Workshops Organized & the source of funding

- National : **01 (September 7th – 8th, 2011)**
- International : **NIL**

26. Student profile programme /Course wise:

Name of the Course/Programme (refer question no. 4)	Applications received	Selected	Enrolled		Pass percentage**
			*M	*F	
BNGH 2008-09	352	45	NA	45	79.41%
BNGH 2009-10	393	42	NA	29	93.54%
BNGH 2010-11	284	46	NA	39	96.42%
BNGH 2011-12	381	55	NA	39	84.21%
BNGH 2012-13	346	55	NA	50	92.68%

*M=Male *F=Female

** Final result of the students admitted in the 1st year in column 1

27. Diversity of students

Name of the course	% of students from the same state	% of students from the other state	% of students from the abroad
BNGH 2010-11 BNGG 2010-11	100%	0%	0%
BNGH 2011-12 BNGG 2011-12	100%	0%	0%
BNGH 2012-13 BNGG 2012-13	100%	0%	0%
BNGH 2013-14 BNGG 2013-14	100%	0%	0%
BNGH 2014-15 BNGG 2014-15	100%	0%	0%

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.: **NIL**



29. Student progression

Student progression	Against % enrolled
UG to PG	75%
PG to M. Phil.	5%
PG to Ph.D.	NA
Ph.D. to Post-Doctoral	NA
Employed	
• Campus selection	NA
• Other than campus recruitment	10%
Entrepreneurship/self-employment	NA

30. Detail of infrastructural facilities

- a. Library: **Total books: 3889**
- b. Internet facilities for staff & Students: **YES**
- c. Class rooms with ICT facility: **NIL**
- d. Laboratories: **NA**

31. Number of students receiving financial assistance from college , university, government or other agencies: **25-30%**

32. Detail on student enrichment programmes (special lectures/ workshop/ seminar)with external experts: **NIL**

33. Teaching methods adopted to improve student learning

- a. **Power Point Presentation**
- b. **Audio Visual Presentation**

34. Participation in Institutional Social Responsibility (ISR)and Extension activities:
Participation in NSS and NCC activities.

35. SWOC analysis of the department and Future plans:

S	Strength	W	Weakness
	Strong bonding and good relationship between student and teachers		Non-availability of infrastructure
O	Opportunities	C	Challenges
	Formation of knowledge data bank		Job oriented programme

Future Plans:

- Improve infrastructure
- Initiate supplementary courses helping progression towards employment



Evaluative Report of the Department of English

1. Name of the Department : **English**
2. Year of establishment:

Name of the Course	Establishment
General Course	Academic Session 1980
Honours Course	Academic Session 2003-04

3. Is the Department part of a college/Faculty of the university? **College**
4. Names of programs offered: **UG Only**
5. Interdisciplinary programs and departments involved: **Nil**
6. Courses in collaboration with other universities, industries, foreign institutions, etc. **None**
7. Details of programs discontinued, if any, with reasons: **None**
8. Examination System: Annual/Semester/Trimester/Choice Based Credit System **Annual System**
9. Participation of the department in the courses offered by other departments: **Teaching English General and Compulsory English to students of other disciplines.**
10. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)

	Sanctioned	Filled
Professor	0	0
Associate Professor/Reader	1	1
Assistant Professor	2	1

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Name	Qualification	Designation	Specialization	No. of Years of Experience
Sucheta Mukherjee	MA, M.Phil, PhD	Associate Professor	American Fiction, Dramatic Theory and 19 th Century Practice	34 years
Santanu Niyogi	MA, PGDTE (CIEFL), PhD registered with BHU	Assistant Professor	Renaissance Studies, Contemporary Theory, Linguistics	13 Years
Tista Dawn	MA,	Government	Literary Theory,	



	M Phil, PhD registered with BU	Approved Part Time Teacher	Indian English Fiction	8 years
Tushar Mazumdar	MA	Management Appointed Part Time Teacher	American Literature, ELT, Indian English Drama	02 years

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors: **None**
13. Percentage of classes taken by temporary faculty – program-wise information: **14.28%**
14. Program-wise Student Teacher Ratio: **35.33 : 1**
15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual: **None**
16. Research thrust areas as recognized by major funding agencies: **None**
17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise. : **None**
18. Inter-institutional collaborative projects and associated grants received
 - a) National collaboration b) International collaboration **None**
19. Departmental projects funded by ICMR; DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received. **None**
20. Research facility / centre with : **None**
 - state recognition
 - national recognition
 - international recognition
21. Special research laboratories sponsored by / created by industry or corporate bodies : **None**
22. Publications:
 - Number of papers published in peer reviewed journals (national / international) **05+01+03= 07**
 - Monographs
 - Chapters in Books: **02**
 - Books edited
 - Books with ISBN with details of publishers: **01**
A Study of the Comic and Serious Aspects of Mark Twain’s Novels, ISBN: 978-81-7625-881-4, Published by: Sarup & Sons, New Delhi, 110 002, Year of publication: 2008



- Number listed in International Database (For *e.g.* Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, Medline, etc.)
 - Citation Index – range / average
 - SNIP
 - SJR
 - Impact Factor – range / average
 - h-index
23. Details of patents and income generated: **None**
24. Areas of consultancy and income generated : **None**
25. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad : **None**
26. Faculty serving in
a) National committees b) International committees c) Editorial Boards d) any other (specify): **None**
27. Faculty recharging strategies (Refresher / orientation programs, workshops, training programs and similar programs).
Santanu Niyogi attended two Refresher Courses organized by the UGC Academic Staff College, Himachal Pradesh University in 2012 and UGC-HRDC, Kerala University in 2015 respectively and one Theory/Praxis Course organized by Forum on Contemporary Theory, Baroda and Institute of Development Studies, Jaipur in 2014.
28. Student projects
- percentage of students who have taken up in-house projects including inter-departmental projects: **100% (Project on Environmental Studies for the Third year students as a part of their curriculum)**
 - percentage of students doing projects in collaboration with other universities / industry / institute : **None**
29. Awards / recognitions received at the national and international level by
- Faculty
Santanu Niyogi received N Krishnaswamy Endowment Prize for outstanding performance from the erstwhile Central Institute of English and Foreign Languages, Hyderabad (presently EFLU, Hyderabad) in 1997.
 - Doctoral / post-doctoral fellows
 - Students
30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any. **None**
31. Code of ethics for research followed by the departments : **Not Applicable**



32. Student profile program-wise:

Name of the Program (refer to question no. 4)	Applications received	Selected		Pass percentage
		Male	Female	
English (Honours) (2008-11)	67	-	33	83.33
English (Honours) (2009-12)	121	-	32	95.45
English (Honours) (2010-13)	77	-	34	75.00
English (Honours) (2011-14)	103	-	39	75.00
English (Honours) (2012-15)	158	-	38	50.00

33. Diversity of students

Name of the Program (refer to question no. 4)	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
English (Honours) (2010-11)	NA	Nil	Nil	Nil
English (Honours) (2011-12)	NA	Nil	Nil	Nil
English (Honours) (2012-13)	NA	Nil	Nil	Nil
English (Honours) (2013-14)	NA	Nil	Nil	Nil
English (Honours) (2013-14)	NA	Nil	Nil	Nil

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE, USMLE, PLAB, GPAT, NCLEX, CGFNS, IELTS and other competitive examinations? Give details category-wise. **Unfortunately the data is not available with the department.**

35. Student progression

Student progression	Percentage against enrolled
UG to PG	More than 60%
PG to M.Phil, DM / M Ch / DNB	Nil
PG to Ph.D.	Nil
Ph.D. to Post-Doctoral	Nil
Employed	
• Campus selection	NA
• Other than campus recruitment	Nearly 20%
Entrepreneurs	NA



36. Diversity of staff

Percentage of faculty who are graduates	
of the same university	75 Per Cent
from other universities within the State	25 Per Cent
from universities from other States	Nil
from universities outside the country	Nil

37. Number of faculty who were awarded M.Phil., DM, MCh, Ph.D., D.Sc. and D.Litt. during the assessment period: **None**
38. Present details of departmental infrastructural facilities with regard to
- Library: **Total books: 1158**
 - Internet facilities for staff and students: **Yes**
 - Total number of class rooms: **1**
 - Class rooms with ICT facility and 'smart' class rooms: **Centrally one class room**
 - Students' laboratories: **NA**
 - Research laboratories: **NA**
39. List of doctoral, post-doctoral students and Research Associates
- from the host institution/university: **None**
 - from other institutions/universities : **None**
40. Number of post graduate students getting financial assistance from the university. **None**
41. Was any need assessment exercise undertaken before the development of new program(s)? If so, highlight the methodology. **Not Applicable**
42. Does the department obtain feedback from
- faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback? **Yes. The feedbacks are analyzed and appropriate measures are taken as and when necessary.**
 - students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?
Such feedback is collected at the exit point of the course and necessary improvement measures are adopted accordingly.
 - alumni and employers on the programs offered and how does the department utilize the feedback?
The department is constantly in touch with most of its alumni and their feedback are given due importance while chalking out any curricular decision in the departmental meetings.
43. List the distinguished alumni of the department (maximum 10): **None**
44. Give details of student enrichment programs (special lectures / workshops / seminar) involving external experts. **Nil**
45. List the teaching methods adopted by the faculty for different programs including



clinical teaching.

- **Conventional lecture demonstration method**
- **Interactive methods**
- **Use of LCD projectors**
- **PPT presentations.**

46. How does the department ensure that program objectives are constantly met and learning outcomes are monitored?

It is done by

- a. **conducting departmental meetings of the teaching staff,**
- b. **Interacting with the students and**
- c. **Conducting periodical evaluations of the students' achievements**

47. Highlight the participation of students and faculty in extension activities.

The students take part in the NSS and NCC activities.

48. Give details of “beyond syllabus scholarly activities” of the department. **Nil**

49. State whether the program/ department is accredited/ graded by other agencies? If yes, give details. **Not applicable**

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied. **Nil**

51. Detail major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

S	Strengths	W	Weakness
	(i) Dedicated Faculty (ii) Conducive academic ambience, (iii) Frequent informal and warm interactive sessions among the teachers and the students (iv) Motivated students (v) Zeal for constant betterment		(i) Inadequate library facility (ii) Non availability of smart classrooms (iii) Poor entry level linguistic competence of the students (iv) Students' incapacity to use the internet to fullest extent (v) Vacant teaching position
O	Opportunities	C	Challenges
	(i) High demand for the course (ii) Qualified teachers on the faculty (iii) The only department in the locality meant exclusively for the girl students (iv) Availability of multimedia and ICT facilities. (v) the college and the department provide a safe and congenial atmosphere for the girl students		(i) Pressure from the family and the society for early marriage of the students (ii) Below the average entry level competence of the students in English (iii) Inability of the students to access intellectual resources (like personal text and reference books, the Internet at home, subscribing to the British Council Library etc.) liberally because of financial constraints (iv) The general social practice of depending upon private tuition outside the college campus (v) Availability of less number of



teaching days because of protracted university examination programmes as well as Annual Tests of the college.

52. Future plans of the department.

The future plans of the department include:

- **Getting the vacant faculty position duly filled in at the earliest**
- **Setting up our own media room**
- **Establishing a language laboratory**
- **Extend the collection of books in the library**
- **Upgrading to a Post-graduate department**



Evaluative Report of the Department of Hindi

1. Name of the Department: **Hindi**
2. Year of establishment:

Name of the Course	Establishment
General Course	Academic Session 1980
Honours Course	Academic Session 2006-07

3. Names of programs offered: **UG Only (3 years Honours Course and 3 years General Course)**
4. Interdisciplinary programs and the departments/ units involved: **Nil**
5. Examination System: **Annual/Semester/Trimester/Choice Based Credit System : Annual (As per university rule)**
6. Participation of the department in the courses offered by other departments: **Teaching Hindi General and Compulsory Hindi to students of other disciplines.**
7. Courses in collaboration with other universities, industries, foreign institutions, etc.: **Nil**
8. Details of programs discontinued, if any, with reasons : **Nil**
9. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)

Teaching Posts	Sanctioned	Filled
Professor	–	–
Associate Professor	01	01
Assistant Professor	01	00

10. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. students guided for the last 4 years
Dr. Anita Mishra	M.A., Ph.D	Associate Professor	SantKavya	18 years 9 Months	05
Neelam Mishra Tiwari	M.A., B.Ed.	Government Approved Part Time Teacher	SantKavya	9 Years	Nil
Sanjay Paswan	M.A.	Government Approved Part Time Teacher	Katha Sahitya	8 Years	Nil
Bijay Kumar Chaubey	M.A.	Management Appointed Part Time Teacher	Katha Sahitya	1 Year 3 Months	Nil



11. List of senior Visiting Fellows, adjunct faculty, emeritus professors: **Nil**
12. Percentage of classes taken by temporary faculty - program-wise information: **27%**
13. Program-wise Student Teacher Ratio:**34.4:1**
14. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual: **Nil**
15. Qualifications of teaching faculty with DSc/D.Litt/Ph.D/MPhil/PG.

Teaching Faculty with Ph. D.	01
Teaching Faculty with P. G	03

16. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise. **Nil**
17. Departmental projects funded by ICMR; DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received: **Nil**
18. Research facility / centre with
 - state recognition: **Nil**
 - national recognition : **Nil**
 - international recognition : **Nil**
19. Publications:

Teachers	papers published in peer reviewed journals (national / international)	Monographs	Chapters in Books	Books edited	Books with ISBN with details of publishers	Number listed in International Database	Citation Index	SNI P	SJ R	Impact Factor	h-index
Dr. Anita Mishra	--	--	02	--	--	--	--	--	--	--	--

20. Areas of consultancy and income generated: **Nil**
21. Faculty as members in
 01. National committees : **Janavadi Lekhak Sangh (Dr. Anita Mishra)**
 02. b) International committees
 03. c) Editorial Boards
 04. d) any other (specify):
22. Student Projects
 - a) Percentage of students who have done in-house projects including inter departmental/ programme: **100% (Project on Environmental Studies for the Third year students as a part of their curriculum)**
 - b) Percentage of students placed for projects in organizations outside the institution i.e. laboratories/ Industry/ Other agencies. **Nil**
23. Awards / recognitions received at the national and international level by
 - Faculty: **Nil**



- Students: **Yes. (Sports)**

24. List of eminent academicians and scientists/ visitors to the department :

- **Dr Vimal Chandra Sinha, Ex-Professor and Head, Department of Hindi, BU.**

25. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any: **Nil**

26. Student profile program-wise:

Hindi Honours Course

Name of the Program (Refer to question no. 4)	Applications received	Selected	Enrolled		Pass percentage
			Male	Female	
2008-11	99	28	-	27	64.00
2009-12	82	31	-	29	92.59
2010-13	92	29	-	28	83.33
2011-14	123	35	-	32	54.00
2012-15	82	26	-	26	64.00

27. Diversity of students

Honours Course

Name of the Program (refer to question no. 4)	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
2008-11	100%	0%	0%	0%
2009-12	100%	0%	0%	0%
2010-13	100%	0%	0%	0%
2011-14	100%	0%	0%	0%
2012-15	100%	0%	0%	0%

28. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE, USMLE, PLAB, GPAT, NCLEX, CGFNS, IELTS and other competitive examinations? Give details category-wise. **Nil**

29. Student progression

Student progression	Percentage against enrolled
UG to PG	70% (Approx)
PG to M.Phil, DM / M Ch / DNB	Nil
PG to Ph.D.	Nil
Ph.D. to Post-Doctoral	Nil



Employed	Nil
<ul style="list-style-type: none"> • Campus selection • Other than campus recruitment 	
Entrepreneurs	Nil

30. Present details of departmental infrastructural facilities with regard to
- a) Library: **Books (1800)**
 - b) Internet facilities for staff and students: **Yes**
 - c) Class rooms with ICT facility and 'smart' class rooms: **Centrally one classroom with ICT facility.**
 - d) Students' laboratories: **Nil**
31. Number of students receiving financial assistance from college, university, government and other agencies. **Approximately 25 to 30 per cent students**
32. Give details of student enrichment programs (special lectures / workshops / seminar) involving external experts: **Nil**
33. List the teaching methods adopted by the faculty for different programs.
- **Traditional- Chalk and blackboard (oral lectures)**
 - **PPT/LCD presentations**
 - **Assignments and Tutorials**
 - **Group Discussion**
 - **Inter-Departmental Seminar**
34. Participation in Institutional Social Responsibility (ISR) and Extension activities: **Participation in NSS and NCC activities.**
35. Detail major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

Strengths	Weaknesses
<ul style="list-style-type: none"> • Effective Teaching methods. • Qualified, competent and dedicated teaching faculty, who maintain high academic standard. • Students are very sincere and actively participate in classes. • Students have shown commendable performance in University Examinations. 	<ul style="list-style-type: none"> • Inadequate built-in space in the department. • The number of permanent faculty is inadequate.
Opportunities	Challenges
<ul style="list-style-type: none"> • Upgradation to Post Graduate • Job Counseling for the Pass out Students. 	<ul style="list-style-type: none"> • To attract more students at entry level from economically deprived section of the society.



- | | |
|--|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | <ul style="list-style-type: none">• Limited scope in deploying innovative teaching methods as the UG curriculum is structured by the affiliating University |
|--|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

Future plans of the department.

- **Upgradation to Post Graduate**
- **Organize conferences/workshops/seminars and training programmes**
- **Enrichment of the seminar and Central library.**
- **Job Counseling for the Pass out Students.**



Evaluative Report of the Department of Sanskrit

1. Name of the department: **SANSKRIT**
2. Year of Establishment:

Name of the Course	Establishment
General Course	Academic Session 1980
Honours Course	Academic Session 2007-08

3. Name of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc)-**UG**
4. Name of Interdisciplinary course and the department /unit involved-**N.A.**
5. Annual/semester/choice based credit system (Programme wise)**Annual**
6. Participation of the department in the courses offered by other department-
Teaching Sanskrit General to other disciplines
7. Courses in collaboration with other universities, industries ,foreign institution, etc.-
Nil
8. Details of courses /programmes discontinued (if any) with reasons-**Nil**
9. Number of Teaching posts

	Sanctioned	Filled
Professors	Nil	Nil
Associate Professors	01	01
Asst. Professors	Nil	Nil



10. Faculty profile with name, qualification, designation, specialization, (D.sc/D.Litt./Ph.D./M .Phil. etc.)

Name	Qualification	Designation	Specialization	No. of Year of Experience	No. of Ph.D. Students Guided for the last 4 years
Dr. Mitali Basu	M.A., Ph. D	Associate Professor.	Indian Philosophy.	28 years.	Nil
Rakhi Sutradhar	M.A.	Govt. approved Part-time Teacher.	Veda	06 years.	Nil
JayasreeModak	M.A.	Govt. approved Part-time Teacher.	Kavya	06 year.	Nil
AnimeshMondal	M.A.	Management appointed Part-time Teacher.	Indian Philosophy.	02 years.	Nil
ChampaDutta	MA, MPhil	Management appointed Part-time Teacher.	Veda	01 year.	Nil

11. List of senior visiting faculty-**NIL**

12. Percentage of lectures delivered and practical classes handled(Programme wise)by temporary faculty-**50%**.

13. Student- Teacher ratio (Programme wise)- **Hons.- 25 : 1 Gen.-200:1**



25. Seminars /Conferences /Workshops Organized & the source of funding

- a. National – **Nil.**
- b. International – **Nil.**

26. Student profile programme /Course wise:

Name of the Course/Programme Sanskrit Honours	Applications received	Selected	Enrolled		**Pass percentage
			*M	*F	
2008-2009	311	31		31	85.71
2009-2010	227	23		23	91.00
2010-2011	301	25		20	75.00
2011-2012	405	36		21	52.30
2012-2013	155	36		20	85.00
2013-2014	36	31		20	90.00

*M=Male *F=Female

**Final result of the students admitted in the 1st year in column 1

27. Diversity of students

Name of the course	% of students from the same state	% of students from the other state	% of students from the abroad
SNSH SNSG	100	0	0

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.-**Nil**

29. Student progression

Student progression	Against % enrolled
UG to PG	57
PG to M. Phil.	-
PG to Ph.D.	-
Ph.D. to Post Doctoral	-
Employed	
• Campus selection	NIL
• Other than campus recruitment	10
Entrepreneurship/self-employment	Nil



30. Detail of infrastructural facilities
- Library-Number of books - **808**
 - Internet facilities for staff & Students-**For Staff only.**
 - Class rooms with ICT facility-**Centrally one class room**
 - Laboratories –**N.A.**
31. Number of students receiving financial assistance from college , university, government or other agencies – **25-30%**
32. Detail on student enrichment programmes (special lectures/ workshop/ seminar)with external experts: **Nil.**
33. Teaching methods adopted to improve student learning: **Traditional chalk and talk method (Oral lectures)**
34. Participation in Institutional Social Responsibility (ISR)and Extension activities :
Participation in NSS and NCC activities of the institution
35. SWOC analysis of the department and Future plans

Strengths	Weaknesses
<ul style="list-style-type: none"> • Success in examination results. • Interaction and participation of students and teachers alike 	<ul style="list-style-type: none"> • Lack of ICT Class-room facility • Inadequate infrastructure
Opportunities	Challenges
<ul style="list-style-type: none"> • Pursue post-graduate education. • Services in schools, colleges and universities as Sanskrit faculty. 	<ul style="list-style-type: none"> • To teach the students to communicate in Sanskrit language

Future Plans

- To publish Sanskrit journal regularly.
- To arrange Seminars and Workshops.



Evaluative Report of the Department of Urdu

1. Name of the Department : **URDU**
2. Year of establishment :

Name of the Course	Establishment
General Course	Academic Session 2008-09
Honours Course	Academic Session 2009-10

3. Is the Department part of a college/Faculty of the university? College
4. Names of programs offered (UG, PG, Pharma D, Integrated Masters; M.Phil., Ph.D., Integrated Ph.D., Certificate, Diploma, PG Diploma, D.M./M.Ch., Super specialty fellowship, etc.)

URDU General and URDU Honours

5. Interdisciplinary programs and departments involved: **N/A**
6. Courses in collaboration with other universities, industries, foreign institutions, etc.: **N/A**
7. Details of programs discontinued, if any, with reasons : **N/A**
8. Examination System: Annual/Semester/Trimester/Choice Based Credit System: **Annual**
9. Participation of the department in the courses offered by other departments: **Teaching Urdu General to students of other disciplines.**
10. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)

	Sanctioned	Filled
Professor	Nil	Nil
Associate Professor	Nil	Nil
Assistant Professor	02	02

11. Faculty profile with name, qualification, designation, area of specialization, experience etc.

Name	Qualification	Designation	Specialization	No. of Years of Experience
Dr. Md. Farooque Azam	PhD	Assistant Professor	Iqbal	11*
Dr. Farzana Shaheen	PhD	Assistant Professor	Iqbal	1#
Md. Halim	MA	Management Appointed Part time teacher	Iqbal	5
Reshma Khatoon	MA	Management appointed Part time teacher	Iqbal	4



*As Government Approved Part-time Teacher since 2005 to 2014 including Post-Graduate teaching experience since 2010 as Part-time Guest at PG College till 2014. Currently Part-time Guest Faculty in the Department of Urdu, University of Calcutta.

#Excluding Post-Graduate teaching experience for 2 years at Post Graduate College.

- 11(a) **Dr. Md. Farooque Azam** (i) Paper published in Journal (National) 2
(ii) Paper Presented in National Seminar 5
(iii) Attend National Seminar 5
(iv) Examined dissertation of M.Phil (Urdu) 6 of Calcutta

University

- 11(b) **Dr. Farzana Shaheen** (i) Paper published in Journal (National) 5
(ii) Paper Presented in National Seminar 3
(iii) Attend National Seminar 4
(iv) Examined dissertation of M.Phil (Urdu) 6 of Calcutta

University

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors: N/A
13. Percentage of classes taken by temporary faculty – program-wise information: 28.57%
14. Program-wise Student Teacher Ratio: 10:1
15. Number of academic support staff (technical) and administrative staff: N/A
16. Research thrust areas as recognized by major funding agencies: N/A
17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise. **Applied for UGC sponsored National seminar in 2015**
18. Inter-institutional collaborative projects and associated grants received
b) National collaboration b) International collaboration N/A
19. Departmental projects funded by ICMR; DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received.
NIL
20. Research facility / centre with
• state recognition
• national recognition
• international recognition
N/A
21. Special research laboratories sponsored by / created by industry or corporate bodies
N/A
22. Publications:
➤ Number of papers published in peer reviewed journals (national / international) :
07
➤ Monographs : NIL



- Doctoral / post-doctoral fellows
- Students

N/A

30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.

Applied for UGC sponsored National seminar with collaboration of Department of Urdu, University of Calcutta, 2015

31. Code of ethics for research followed by the departments : N/A

32. Student profile program-wise:

Name of the Program (refer to question no. 4)	Applications received	Selected	Enrolled Female	Pass percentage
URDG (2008-11)	10	10	10	20%
URDG (2009-12)	03	3	3	PNC
URDG (2010-13)	04	4	4	50%
URDH (2010-13)	12	10	10	30%
URDG (2011-14)	11	11	11	PNC
URDH (2011-14)	14	10	10	40%

33. Diversity of students

Name of the Program (refer to question no. 4)	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
URDH & URDG	100%	0%	0%

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE, USMLE, PLAB, GPAT, NCLEX, CGFNS, IELTS and other competitive examinations? Give details category-wise. N/A

35. Student progression

Student progression	Percentage against enrolled
UG to PG	23%
PG to M.Phil,DM / M Ch / DNB	NIL
PG to Ph.D.	NIL
Ph.D. to Post-Doctoral	NIL
Employed	NIL
<ul style="list-style-type: none"> • Campus selection • Other than campus recruitment 	
Entrepreneurs	NIL



36. Diversity of staff

Percentage of faculty who are graduates	
of the same university	75%
from other universities within the State	25%
from universities from other States	NIL
from universities outside the country	NIL

37. Number of faculty who were awarded M.Phil., DM, MCh, Ph.D., D.Sc. and D.Litt. during the assessment period

PhD: 02.

38. Present details of departmental infrastructural facilities with regard to

a) Library: **399 books**

b) Internet facilities for staff and students: Yes

c) Total number of class rooms: **01**d) Class rooms with ICT facility and 'smart' class room: **Centrally One Class Room**e) Students' laboratories: **NIL**f) Research laboratories: **NIL**

39. List of doctoral, post-doctoral students and Research Associates

a) from the host institution/university : **N/A**b) from other institutions/universities: **N/A**40. Number of students receiving financial assistance from college, university, Government or other agencies:- **70%**

41. Does the department obtain feedback from

d. faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?

e. students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?

alumni and employers on the programs offered and how does the department utilize the feedback?

N/A

42. List the distinguished alumni of the department (maximum 10)

N/A

43. Give details of student enrichment programs (special lectures / workshops / seminar) involving external experts.

a. **Special lecture on 'New Urdu Gazal'**b. **State-level college sponsored one-day seminar on 'Contribution of Women in Urdu Literature'**c. **Departmental seminar given by students on 'Development of Urdu Gazal'**



44. Teaching methods adopted to improve students' learning
- **Power point presentation**
 - **Departmental Seminar**
 - **Inter-departmental Seminar**
 - **Group discussion**
 - **Tutorial Class**
45. Give details of “beyond syllabus scholarly activities” of the department.
- **Publication of the Wall Magazine.**
46. State whether the program/ department is accredited/ graded by other agencies? If yes, give details. **NO.**
47. Briefly highlight the contributions of the department in generating new knowledge, basic or applied. **Started a four week course in Basic Urdu from the current session**
48. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

S	Strength	W	Weakness
	Raniganj Girls' College is the only college for girls in Burdwan District under Kazi Nazrul University, Asansol, where Urdu is taught at the undergraduate level. Positive mentality of the students and interest in higher education.		Social Pressure for early marriage and Financial weakness.
O	Opportunities	C	Challenges
	Students Teacher interaction Counselling the students		To build self-confidence in the students

49. Future plans of the department.
- **We are making efforts to open P.G. Course in Urdu under KNU**
 - **Applied UGC Sponsored National Seminar on Feminism in Urdu with the collaboration of Dept. of Urdu University of Calcutta.**
 - **Short –term Workshop in Urdu linguistic.**
 - **Departmental Urdu Journal with ISSN for this region.**
 - **Training Courses in SSC, NET/SET for Urdu students.**



Evaluative Report of the Department of Economics

1. Name of the department: **Economics**

2. Year of Establishment:

Name of the Course	Establishment
General Course	Academic Session 1980
Honours Course	Academic Session 2006-07

3. Names of Programmes / Courses offered: **UG Three year Course in Economics Honours and General**

4. Names of Interdisciplinary courses and the departments/units involved:
The teachers teach the papers on *Economic Principles and Indian Economic Problems* and *Business Economics* to the students of UG Three Year Course in Commerce General. They also teach Environmental Studies for the Third year students of all disciplines.

5. Annual/ semester/choice based credit system (programme wise): **Annual (as per University norms)**

6. Participation of the department in the courses offered by other departments:
The department teaches Economics General to the students of other disciplines and Environmental Studies to the third year students of the college.

7. Courses in collaboration with other universities, industries, foreign institutions, etc.: **Nil**

8. Details of courses/programmes discontinued (if any) with reasons: **Nil**

9. Number of teaching posts

	Sanctioned	Filled
Professors	Nil	Nil
Associate Professors	01	01
Asst. Professors	01	01



10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt./Ph.D. / M. Phil. etc.,)

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
1. Dr Chhabi De	Ph D	Principal	Econometrics	28	Nil
2. Dr Swarbhanu Mitra	Ph D	Associate Professor	Agricultural Economics	26	Nil
3. Dr Pritha Goswami	Ph D	Assistant Professor	Environmental Economics	14	Nil

11. List of senior visiting faculty: **Nil**

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty: **Nil**

13. Student -Teacher Ratio (programme wise): **4:1**

14. Number of academic support staff (technical) and administrative staff: **Nil**

15. Qualifications of teaching faculty: **Ph.D. = 03**

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received: **Nil**

17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received: **Nil**

18. Research Centre /facility recognized by the University: **Nil**

19. Publications:

- Publication per faculty: **DrChhabi De: 08; DrPritha Goswami:02**
- Number of papers published in peer reviewed journals (national /international) by faculty and students: **DrChhabi De: 08 papers.**
- Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.): **Nil**
- Monographs: **Nil**
- Chapter in Books: **Dr PrithaGoswami: 01 chapter each in 02 books respectively**
- Books Edited: **Nil**



- Books with ISBN/ISSN numbers with details of publishers: **Nil**
- Citation Index: **Nil**
- SNIP: **Nil**
- SJR: **Nil**
- Impact factor: **Nil**
- h-index: **Nil**

20. Areas of consultancy and income generated: **Nil**

21. Faculty as members in

a) National committees b) International Committees c) Editorial Boards...

Sl. No.	Name	Membership of Professional Body
1.	Dr Chhabi De Principal, Raniganj Girls' College	Life member of Bangiya Arthaniti Parishad
2.	Dr Swarbhanu Mitra, Associate Professor of Economics	Life member of Bangiya Arthaniti Parishad
3.	Dr Pritha Goswami, Assistant Professor of Economics	Life member of Bangiya Arthaniti Parishad

Dr Pritha Goswami

22. Student projects:

a) Percentage of students who have done in-house projects including inter departmental/programme: **100% (Project on Environmental Studies for the Third year students as a part of their curriculum)**

b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies: **Nil**

23. Awards / Recognitions received by faculty and students: **Nil**

24. List of eminent academicians and scientists / visitors to the department: **Nil**

25. Seminars/ Conferences/Workshops organized & the source of funding

a) National b) International

Date	Title of the Seminar	Source of Funding
28 March 2008	Contract Farming in India: Problems and Prospects.	Department of Higher Education, West Bengal

26. Student profile programme/course wise:

Academic Session	Name of the Course/Programme	Applications received	Selected	Enrolled		*Pass Percentage
				M	F	



2010-11	Economics Honours	06	04	-	04	50.00 (Batch 2008-11)
2011-12	Economics Honours	27	13	-	12	71.40 (Batch 2009-12)
2012-13	Economics Honours	24	11	-	07	Dropped out (Batch 2010-13)
2013-14	Economics Honours	07	07	-	07	55.50 (Batch 2011-14)
2014-15	Economics Honours	21	05	-	02	75.00 (Batch 2012-15)

*Based on Part-III results of that academic session

27. Diversity of Students

Name of the Course	% of students from the same State	% of students from other States	% of students from abroad
Economics	100	Nil	Nil

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.? **No known cases**

29. Student progression

Student progression	Against % enrolled
UG to PG	On an average 01 student in each batch
PG to M.Phil.	
PG to Ph.D.	
Ph.D. to Post-Doctoral	
Employed	
<ul style="list-style-type: none"> • Campus selection • Other than campus recruitment 	01 outside campus recruitment
Entrepreneurship/Self-employment	

30. Details of Infrastructural facilities:

- a) Library: Central Library: **951 books**
- b) Internet facilities for Staff & Students: **Yes**
- c) Class rooms with ICT facility: **Centrally one class room**
- d) Laboratories: **Nil**

31. Number of students receiving financial assistance from college, university, government or other agencies: **25-30%**

32. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts:

- **Dr Joydeb Sarkhel of The University of Burdwan gave the key note in the seminar on Contract Farming in India: Problems and Prospects held on 28 March 2008 organized by the Department of Economics, Raniganj Girls' College. Interaction with Dr Sarkhel helped the students to enrich themselves.**
- **Publication of the Wall magazine**



33. Teaching methods adopted to improve student learning:

- **Traditional chalk and talk lecture method**
- **Power point presentations**
- **Departmental Seminars**
- **Inter-departmental seminars**
- **Group Discussion**
- **Tutorial classes**

34. Participation in Institutional Social Responsibility (ISR) and Extension activities: **Students participate in Institutional Social Responsibility through NCC and NSS activities of the college.**

35. SWOC analysis of the department and Future plans

S	Strength	W	Weakness
	<ul style="list-style-type: none"> • The Principal of the college is a member of the faculty of the department. This is a matter of pride for the department. • The positive attitude of the students towards studies. • A warm rapport between the teachers and the students 		<ul style="list-style-type: none"> • Inadequate infrastructure • Financially weak family background • Social pressure for early marriage of students • Pre-structured university prescribed curriculum constraint • Poor meritorious background of students
O	Opportunities	C	Challenges
	<ul style="list-style-type: none"> • One-to-one interaction with the students • To counsel the students towards higher studies • To cultivate an attitude towards job orientation 		<ul style="list-style-type: none"> • To ensure more enrollment in the discipline. • To build self-respect and confidence among the students. • To make the students self-reliant. • To overcome linguistic constraint • Strong competition from neighbouring college

. **Future Plans:**

1. **Upgradation of the present class-room to ICT based Class room.**
2. **Publication of Newsletter.**
3. **Publication of a journal.**
4. **Enriching the seminar library.**
5. **Supplementary courses empowering progression to employment.**
6. **Organizing one day study tour for the students**



Evaluative Report of the Department of Geography

1. Name of the Department: **Geography**
2. Year of establishment:

Name of the Course	Establishment
General Course	Academic Session 2008-09
Honours Course	Academic Session 2012-13

3. Names of programs offered (UG, PG, Pharm D, Integrated Masters; M.Phil., Ph.D., Integrated Ph.D., Certificate, Diploma, PG Diploma, D.M./M.Ch., Super specialty fellowship, etc.) : **UG Only**
(3 years Honours Course and 3 years General Course)
4. Interdisciplinary programs and the departments/ units involved: **Environmental Studies for the Third year students of all disciplines.**
5. Examination System: **Annual/Semester/Trimester/Choice Based Credit System : Annual (As per university rule)**
6. Participation of the department in the courses offered by other departments: **The department teaches Geography General to the students of other disciplines and Environmental Studies to the third year students of the college.**
7. Courses in collaboration with other universities, industries, foreign institutions, etc.: **Nil**
8. Details of programs discontinued, if any, with reasons : **Nil**
9. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)

Teaching Posts	Sanctioned	Filled
Professor	–	–
Associate Professor	–	–
Assistant Professor	02	02
Government Approved Part Time Teacher	01	01

10. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. students guided for the last 4 years
Sreenita Mondal	MA, M.Phil, PhD registered with JNU	Assistant Professor	Regional Development	7 Months	Nil
Rituparna	MA,	Assistant	Urban Geography	5 years	Nil



Ghosh	Ph.D	Professor		7 Months	
Paramita Ghosh	M.Phil	Government Approved Part Time Teacher	Remote Sensing and GIS	6 Years	Nil
Inasree Mitra	M.A.	Management Appointed Part Time Teacher	Environmental Geography	1 Year	Nil
Priya Bera	M.Sc.	Management Appointed Part Time Teacher	Agricultural Geography , Remote Sensing and GIS	1 Year	Nil
Rajesh Banerjee	M.A.	Management Appointed Part Time Teacher	Fluvial Geomorphology	2 Months	Nil

11. List of senior Visiting Fellows, adjunct faculty, emeritus professors: **Nil**
12. Percentage of classes taken by temporary faculty – program-wise information: 23.86%
13. Program-wise Student Teacher Ratio

Honours Course	11.43:1
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14. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual

	Sanctioned	Filled
Support Staff (Technical)	01	Nil
Administrative Staff	Nil	Nil

15. Qualifications of teaching faculty with DSc/D.Litt/Ph.D/MPhil/PG.

Teaching Faculty with Ph.D	01
Teaching Faculty with M. Phil	02
Teaching Faculty with P.G.	03

16. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise. **Nil**
17. Departmental projects funded by ICMR; DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received: **Nil**
18. Research facility / centre with



- state recognition: **Nil**
- national recognition : **Nil**
- international recognition : **Nil**

19. Publications:

Teachers	Papers published in peer reviewed journals (national / international)	Monographs	Chapters in Books	Books edited	Books with ISBN with details of publishers	Number listed in International Database	Citation Index	SN IP	SJR	Impact Factor	h-index
Sreenita Mondal	--	--	01	--	--	--	--	--	--	--	--
Rituparna Ghosh	07	--	01	--	--	--	--	--	--	--	--

- 1) **Sreenita Mondal:** Publication :01
Paper presented at Conference and Seminar: 06
Workshop attended: 04
- 2) **Rituparna Ghosh:** Publication :08
Paper presented at Conference and Seminar: 06
Workshop attended: 02
- 3) **Inasree Mitra:** Paper presented at Conference: 01
- 4) **Rajesh Banerjee:** Conference attended: 01

20. Areas of consultancy and income generated: **Nil**

21. Faculty as members in

- a) National committees
- b) International committees
- c) Editorial Boards
- d) any other (specify): **Nil**

22. Faculty recharging strategies (Refresher / orientation programs, workshops, training programs and similar programs). **Nil**

23. Awards / recognitions received at the national and international level by

- Faculty: **Nil**
- Doctoral / post doctoral fellows : **Nil**
- Students : **Nil**

24. List of eminent academicians and scientists/ visitors to the department : **Nil**25. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any. **Nil**

26. Student profile program-wise:



Honours Course

Name of the Program (Refer to question no. 4)	Applications received	Selected	Enrolled		Pass percentage
			Male	Female	
2012-2015	324	15	×	15	(85.71%)
2013-2016	15	14	×	13	Not yet appeared
2014-2017	34	18	×	16	Not yet appeared
2015-2018	44	14	×	12	Not yet appeared

General Course

Name of the Program (refer to question no. 4)	Selected (Admitted)	Enrolled		Pass percentage
		Male	Female	
2009-2012	17	×	17	82.35%
2010-2013	03	×	03	100.00%
2011-2014	02	×	02	100.00%
2012-2015	02	×	02	50.00%
2013-2016	10	×	10	Not yet appeared
2014-2017	16	×	16	Not yet appeared
2015-2018	02	×	02	Not yet appeared

27. Diversity of students

Name of the Program	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
2008-2011 GEOG	100%	0%	0%	0%
2009-2012 GEOG	100%	0%	0%	0%
2010-2013 GEOG	100%	0%	0%	0%
2011-2014 GEOG	100%	0%	0%	0%
2012-2015 GEOG & GEOH	100%	0%	0%	0%
2013-2016 GEOG & GEOH	100%	0%	0%	0%
2014-2017 GEOG & GEOH	100%	0%	0%	0%
2015-2018 GEOG & GEOH	100%	0%	0%	0%



<p>Strengths</p> <ul style="list-style-type: none"> • Effective Teaching and Practical Methodology • Qualified, competent and dedicated teaching faculty, who maintain high academic standard. • Students are very sincere and actively participating in both theory and practical classes. They have shown commendable performance in University Examinations. 	<p>Weaknesses</p> <ul style="list-style-type: none"> • Inadequate built-in space in the department. • The number of permanent faculty is inadequate to properly handle both theory and practical classes. • Lack of technical staff. • The department needs fund from UGC/CSIR for up gradation of the lab. • No ICT based class rooms • The number of books in the seminar library is very limited. • Lack of infrastructure in the class rooms and laboratories.
<p>Opportunities</p> <ul style="list-style-type: none"> • Establishment of a digital map library. • Improvement of the existing Laboratories. • Increase the number of books in the seminar library. 	<p>Challenges</p> <ul style="list-style-type: none"> • To attract academically good students at entry level. • Limited scope in deploying innovative teaching methods as the UG curriculum is structured by the affiliating University.

Future plans of the department.

- Organize conferences/workshops/seminars and training programme
- Enrich the seminar library.



Evaluative Report of the Department of History

1. Name of the department: **HISTORY**
2. Year of Establishment:

Name of the Course	Establishment
General Course	Academic Session 1980
Honours Course	Academic Session 1996-97

3. Name of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc) : **Under Graduate Course**
4. Name of Interdisciplinary course and the department /unit involved: **Political Science, English, Sanskrit, Economics.**
5. Annual/semester/choice based credit system (Programme wise): **ANNUAL**
6. Participation of the department in the courses offered by other department : **Yes**
7. Courses in collaboration with other universities, industries ,foreign institution, etc.:
NA
8. Details of courses /programmes discontinued (if any) with reasons: **NA**
9. Number of Teaching posts

	Sanctioned	Filled
Professors	NA	NA
Associate Professors	02	01
Asst. Professors	01	Nil

10. Faculty profile with name, qualification, designation, specialization, (D.sc/D.Litt./Ph.D./M .Phil. etc.)

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students Guided for the last 4 years
JYOTIKA WAGHELA	M.A. M.PHIL	ASSOCIATE PROFESSOR	MODERN HISTORY	33 YEARS	NA
LATIKA SARKAR	M.A. M.PHIL	ASSOCIATE PROFESSOR TILL 31.01.2014 & AT PRESENT	ANCIENT INDIAN HISTORY	32 YEARS + 02 YEARS	NA



		GUEST LECTURER			
MOUSUMI MITRA	M.A. (DOUBLE) B.ED	GOVERNMENT APPROVED PART-TIME TEACHER	MEDIEVAL INDIAN HISTORY	17YEARS	NA
RUMA GHOSH	M.A. B.ED	MANAGEMENT APPOINTED PART TIME TEACHER	ANCIENT INDIA	03 YEARS	NA
AMRITA MITRA	M.A. M.PHIL B.ED	MANAGEMENT APPOINTED PART TIME TEACHER	CULTURAL HISTORY	03 YEARS	NA
ANAMIKA SAIJI	M.A.	MANAGEMENT APPOINTED PART TIME TEACHER	ECONOMIC HISTORY	03 YEARS	NA

11. List of senior visiting faculty: **NIL**

12. Percentage of lectures delivered and practical classes handled (Programme wise)

By temporary faculty: **APPROX 7.5% (per week)**

13. Student- Teacher ratio(Programme wise) : **HONOURS COURSE= 10:01**
GENERAL COURSE = 225:01

14. Number of academic support stuff (technical)and administrative stuff; sanctioned
and

Filled: **NIL**

15. Qualification of teaching faculty with D.Sc./D.Litt./Ph.D./PG.: **M Phil= 03, MA= 03**

16. Number of faculty with ongoing project from a)National b)International funding agencies and grants received: **NA**

17. Departmental projects funded by DST-FIST;UGC;DBT;ICSSR, etc. and total grants received: **NIL**

18. Research Center/facility recognized by the University: **NA**

19: Publications:

a. Publication per faculty: **1. JYOTIKA WAGHELA: 08**



2. MOUSUMI MITRA: 02
3. ANAMIKA SAJI: 01
4. AMRITA MITRA: 05

- b. Number of papers published in peer reviewed journals (national/international) by faculty and students.: **01 by Amrita Mitra**
- c. Number of Publications listed in International Database (For E.g. Web of science, Scopus, Humanities International Complete, Dare Database-International Social Sciences Directory, EBSCO host, etc)
- d. Monographs
- e. Chapter in Books
- f. Books Edited : **03 (seminar proceedings published as book)**

02 issue of 'Prabahini', Departmental Magazine

- g. Books with ISBN/ISSN number with detail of publishers
- h. Citation Index
- i. SNIP
- j. SJR
- k. Impact Factor
- l. h-index

21. Areas of consultancy and income generated: **NA**

22. Faculty as members in a. National committees b. International Committees c. Editorial Boards

1. Membership in professional bodies:

a. Ms Jyotika Waghela: Life member of

- i. All India History Congress
- ii. Paschimbanga Itihas Samsad
- iii. Bharata Vidya Charcha Kendra

b. Ms Latika Sarkar: Life member of

- i. All India History Congress
- ii. Paschimbanga Itihas Samsad
- iii. Bharata Vidya Charcha Kendra

c. Amrita Mitra: Life member of

- i. All India History Congress
- ii. Paschimbanga Itihas Samsad
- iii. Bharata Vidya Charcha Kendra
- iv. SUCHI, Kolkata

d. Ruma Ghosh: Member of Paschimbanga Itihas Samsad



23. Student project

a. Percentage of students who have done in-house projects including inter departmental /Programme:

1. 100%, ENVS project of the third year students as part of their curriculum
2. Project on SearsoleRajbari:its past and present in 2008.
3. Project on Raniganj Rail station : heritage of Raniganj
4. Project on 'Mela of Pirbaba'

b. Percentage of students placed for projects in organizations outside the institution

i.e.in Research laboratories/Industry/Other agencies :NA

24. Awards/Recognitions received by faculty and students

(a) Students :

From 2010 a student of Department of History, Raniganj Girls' College awarded by 'NivananiSmritiPuraskar' for obtaining highest marks in B.A.(Honours) final examination of the University of Burdwan.

(b) Faculty Members:

(i) MsLatikaSarkar, ex-Associate Professor of History awarded by 'JitendranathChoudhury' memorial Gold medal obtaining highest marks in M.A. examination under the University of Burdwan.

(ii) MsJyotikaWaghela , Associate professor of History awarded by 'Sarojbasini' Gold Medal for obtaining highest marks in B.A.(Honours) Examination under the University of Burdwan.

25. List of eminent academicians and scientists/visitors to the department:

- i) Dr BhaskarChattopadhyay ex-professor Department of history , Burdwan University and Director BharataVidyaCharchaKandra ;
- ii) Professor Joydeb Sarkhel, Department of Commerce, Burdwan University;
- iii) Dr Ananda Bhattacharya, Assistant Director , West Bengal State Archives, Kolkata
- iv) Ms Anindita Ghosal, Dept. of History Rishi Bamkim College, Naihati;
- v) Dr Syed Tanveer Nasreen, Department of History , University of Burdwan;
- vi) Ms Latika Sarkar, ex-Associate Professor, Department of History, Raniganj Girls' College.

26. Seminars /Conferences /Workshops Organized & the source of funding

- a. National : 1. UGC sponsored national level seminar on SIMAR MAJHE ASIM TUMI: RABINDRANATH .September 7-8, 2011
- b. International: NA
- c. State:



i) UGC sponsored state level seminar on **OBTURATION MAKES COMMUNAL, ETHNIC, RACE IDENTITY INDELIBLE**. MARCH 26-27, 2007

ii) Department of Higher Education, Government of west Bengal sponsored seminar on **DEVOLPMENT SCIENCE AND INDUSTRY IN MORDEN INDIA** in collaboration with BharataVidyaCharcha Kendra. February 20-21, 2009

27. Students profile programme /Course wise:

Name of the Course/Programme (refer question no. 4)	Applications Received	Selected	Enrolled		Pass percentage
			*M	*F	
Admission in B.A first year					Final result of the students admitted in first year, mentioned in column 1
2008-2009	141	40	x	23	84%
2009-2010	161	40	x	35	71%
2010-2011	111	40	x	31	80%
2011-2012	150	46	x	43	68%
2012-2013	71	48	x	31	90%

*M=Male *F=Female

28. Diversity of students

Name of the course	% of students from the same state	% of students from the other state	% of students from the abroad
Under graduate study	100	NA	NA

29. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.: **Approx 10-20 students in SSC (School Service Commission) competitive examination (Outside campus recruitment)**

30. Student progression



Student progression	Against % enrolled
UG to PG	75%
PG to M. Phil.	Information not available
PG to Ph.D.	NA
Ph.D. to Post Doctoral	NA
Employed	
• Campus selection	
• Other than campus recruitment	12
Entrepreneurship/self-employment	25

31. Detail of infrastructural facilities

a. Library: **In college library number of books: 2149**

In Seminar library, Department of History, numbers of books: 430

b. Internet facilities for staff & Students : **YES**

c. Class rooms with ICT facility : **Centrally one room**

d. Laboratories : **NA**

32. Number of students receiving financial assistance from college, university, government or other agencies : **25% to 30%**.

33. Detail on student enrichment programmes (special lectures/ workshop/ seminar) with External Experts:

(i) Workshop on '100 years of anti- partition movement in Bengal', in 2005. External expert : **Dr Bhaskar Chattopadhyay, ex-professor of the Department of History , Burdwan University and director Bharata Vidaya Charcha Kandra (A inter-disciplinary research organization, Burdwan).**

(ii) Workshop on 'The Making of the Contemporary World since 1945' (introduced as 7th paper in History Honours curriculum from 2004, The University of Burdwan), in August 2006 . External expert: **Dr Bhaskar Chattopadhyay, ex-professor of the Department of History, Burdwan University and Director, Bharata Vidaya Charcha Kendra; Professor Joydeb Sarkhel, Department of Commerce, Burdwan University.**

(iii) Seminar organized by the Department in collaboration with alumni 'Maitreyee', Department of History on 'The Great Revolt of 1857', in 2008. External expert: **Dr Ananda Bhattacharya, Assistant Director, Archives of West-Bengal Government, Kolkata and Ms Anindita Ghosal, Department of History of Rishi Bankim Chandra College, Naihati.**



(iv) Seminar organized by the Department in collaboration with alumni 'Maitreyee', department of history 'On Empowerment of women in India' in 2012.

(v) Seminar organized by Department of History on 'Role of Women in Higher Education', in 2nd February 2014. External expert: Dr Syed Tanveer Nasreen, Department of History, the University of Burdwan.

34. Teaching methods adopted to improve student learning

- (i) Traditional method of deliver lecture with board-work,
- (ii) Use of various maps(course wise),
- (iii) Use of various charts (some prepared by the students under teacher 's supervision),
- (iv) Various types of class-tests (oral, written, unit etc.),
- (v) Tutorials,
- (vi) Power Point Presentation.

35. Participation in Institutional Social Responsibility (ISR) and Extension activities

(i) Active participation in various institutional programs such as annual cultural programme, annual Sports, Seminars, Workshops etc, sometimes as organizer, sometimes as participant.

(ii) Participate in NSS programmes.

Other Extension activities:

(i) Students of the Department of History organize a programme from 2011 to inspire and encourage the economically disadvantaged children of adjacent locality of Raniganj Girls' college, (adopted area of NSS, Jortalpara and Basket para) by donating books ,exercise books ,pencil, eraser, scale etc with school bags with some Tiffin

(ii) One Day Educational Tour cum excursion:

a) In 2015 visit Hetampur, Birbhum, W.B.

b) In 2014 visit Garh Panchakot, Purulia, W.B.

c) In 2013 visit Bishnupur, Bankura, W.B.

d) In 2012 visit Santiniketan & Khoai, Birbhum, W.B.

(iii) Prepared Poster Exhibition on '100 years of Anti-Partition Movement in Bengal' By the students, in 2005.

(iv) Organized a Coin Exhibition, in 2014.

(v) Prepared Poster Exhibition on '100 years of Ghandi's advent to Indian Politics', in 2015.

(vi) Published Departmental Wall-Magazine 'Cleo' regularly from 2005:

List of 'Cleo' with its theme and year of publication (2011-15)

1) Some aspects of Rabindranath Tagore, 2011.

2) A Historical Person : Swami Vivekananda, 2012

3) Great Women Of India, Our Inspiretion, 2013

4) Emergence of Three Presidencies in British India:

a) Mumbai as a Presidency, 2014

b) Chennai as a Presidency, 2015

c) Calcutta as a Presidency, 2015



36. SWOC analysis of the department and Future plans:

STRENGTH
<p>Dedicated, Efficient & Energetic Faculty; Very good & friendly relations between teachers and students; Energy and sincerity of students; Quest for better learning of the students; Very active support of the ex-students(alumni); Department of History regularly served by ex-students as faculty member (Govt. approved Part-time or Management appointed part-time teacher).</p>
WEAKNESS
<p>Early marriage of maximum girls students; First or second generation learner; Economically disadvantaged background of the maximum students; Social pressure on the girls students against higher study; Inadequate permanent faculty member; Weak infrastructural facilities of the college; Burden of Syllabus and examination procedure.</p>
OPPORTUNITY
<p>Growing awareness about the necessity of higher study among girls students; Engage in various type of works (in-campus/outside campus); Provide exchange Programme with other institutions; Provide classes with other departments (programme/course wise).</p>
CHALLENGES
<p>Prepared girls students mentally strong enough to face the society boldly; Prepared students for higher studies, better-life and be a good human ; Prepared students to visualize the greater-life and world .</p>

Future Plan:

- **Make the Department as a centre of academic excellence;**
- **Engage more students in research oriented activities;**
- **Uplift the Departmental Magazine to the Journal;**
- **Provide some job oriented short courses / counseling programme / SSC training-course etc. for ex-students and regular students;**
- **Prepare an intra-departmental programme among the inter-disciplinary departments (syllabus oriented).**



Evaluative Report of the Department of Philosophy

1. Name of the department: **PHILOSOPHY**

2. Year of Establishment :

Name of the Course	Establishment
General Course	Academic Session 1980
Honours Course	Academic Session 1985-86

3. Name of Programmes / Courses offered (**UG**, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc) : **UG/ Three Year Course in Philosophy Honours and Philosophy General**

4. Name of Interdisciplinary course and the department /unit involved: **NA**

5. Annual/semester/choice based credit system (Programme wise): **Annual**

6. Participation of the department in the courses offered by other department: **Philosophy General taught to students of other disciplines**

7. Courses in collaboration with other universities, industries, foreign institution, etc.: **NA**

8. Details of courses /programmes discontinued (if any) with reasons: **NA**

9. Number of Teaching posts:

	Sanctioned	Filled
Professors	NIL	NIL
Associate Professors	01	01
Asst. Professors	02	01

10. Faculty profile with name, qualification, designation, specialization, (D.sc/D.Litt./Ph.D./M .Phil. etc.)

Name	Qualification	Designation	Specialization	No. of Year of Experience	No. of Ph.D. Students Guided for the last 4 years
Mrs. SandhyaDatta(De)	M.A. , B.Ed	Associate Professor	Logic.	29 Years	NIL



Dr. Malay Ray	MA, B.Ed, M Phil, Ph.D	Assistant Professor	Indian Philosophy & Psychology	1 year 6 months	NIL
Mr. Mahadeb Roy	M.A. ,B.Ed	Government approved Part time Teacher	Logic	8 Years	NIL
Ms. Chaitali Ghosh	M.A	Government approved Part time Teacher	Buddhisim	8 Years	NIL

11. List of senior visiting faculty: **NIL**
12. Percentage of lectures delivered and practical classes handled (Programme wise) by temporary faculty: **NIL**
13. Student- Teacher ratio (Programme wise): **HONS- 25 : 1**
14. Number of academic support staff (technical) and administrative staff; sanctioned and filled: **NA**
15. Qualification of teaching faculty with D.Sc./D.Litt./Ph.D./ M.Phil/PG.: **Ph.D. = 01, MA=03**
16. Number of faculty with ongoing project from a) National b) International funding agencies and grants received: **NIL**
17. Departmental projects funded by DST-FIST; UGC; DBT; ICSSR, etc. and total grants received: **NIL**
18. Research Center/facility recognized by the University: **NIL**
19. Publications:
 - a. Publication per faculty: 1. **Dr Malay Ray = 05**
 - b. Number of papers published in peer reviewed journals (national/international) by faculty and students. **02**
 - c. Number of Publications listed in International Database (For E.g. Web of science, Scopus, Humanities International Complete, Dare Database- International Social Sciences Directory, EBSCO host, etc) **NIL**
 - d. Monographs: **NIL**
 - e. Chapter in Books: **03**
 - f. Books Edited: **NIL**
 - g. Books with ISBN/ISSN number with detail of publishers: **02**
 - h. Citation Index: **NIL**
 - i. SNIP: **NIL**
 - j. SJR: **NIL**
 - k. Impact Factor: **NIL**
 - l. h-index: **NIL**



20. Areas of consultancy and income generated: **NA**
21. Faculty as members a.National committees: **NIL** b. International Committees: **NIL**
c. Editorial Boards..... **NIL**
22. Student project
- Percentage of students who have done in-house projects including inter departmental /Programme: **100% (Project on Environmental Studies for the Third year students as a part of their curriculum)**
 - Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/Other agencies : **NIL**
23. Awards/Recognitions received by faculty and students: **NIL**
24. List of eminent academicians and scientists/visitors to the department: **NIL**
25. Seminars /Conferences /Workshops Organized & the source of funding
- National : **NIL**
 - International : **NIL**
26. Student profile programme /Course wise:

Name of the Course/Programme (refer question no. 4) PHIH	Applications received	Selected	Enrolled		Pass percentage***
			*M	*F	
2010-2011	90	26	NA	26	50
2011-2012	121	40	NA	15	73
2012-2013	53	18	NA	02	100
2013-2014	19	18	NA	15	73
2014-2015	47	18	NA	18	16

*M=Male *F=Female

**Applications received centrally according to merit, eligibility and intake capacity of the discipline.

*** Final result of the students admitted in 1st year in column 1

27. Diversity of students

Name of the course	% of students from the same state	% of students from the other state	% of students from the abroad
PHIH- 2010-11 PHIG- 2010-11	100%	0%	0%
PHIH- 2011-12 PHIG- 2011-12	100%	0%	0%
PHIH- 2012-13 PHIG -2012-13	100%	0%	0%
PHIH- 2013-14 PHIG- 2013-14	100%	0%	0%
PHIH- 2014-15 PHIG- 2014-15	100%	0%	0%



28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.: **NIL**
29. Student progression

Student progression	Against % enrolled
UG to PG	70%
PG to M. Phil.	NIL
PG to Ph.D.	NIL
Ph.D. to Post Doctoral	NIL
Employed	
• Campus selection	NIL
• Other than campus recruitment	NIL
Entrepreneurship/ self-employment	52%

30. Detail of infrastructural facilities
- Library: **Total books: 2008**
 - Internet facilities for staff & Students: **YES for staffs**
 - Class rooms with ICT facility: **Centrally one class room**
 - Laboratories: **NA**
31. Number of students receiving financial assistance from college , university, government or other agencies: **25-30%**
32. Detail on student enrichment programmes (special lectures/ workshop/ seminar)with external experts: **NIL**
33. Teaching methods adopted to improve student learning
- Power Point Presentation,**
 - Audio Visual Presentation**
34. Participation in Institutional Social Responsibility (ISR) and Extension activities: **Participation in NSS and NCC activities of the college.**
35. SWOC analysis of the department and Future plans:

S	STRENGTH	W	WEAKNESS
	Good relationship and strong bonding between students and teachers of the department		Inadequate infrastructure
O	OPPORTUNITIES	C	CHALLENGES
	Formation of knowledge data bank		To make the students employable

Future Plans

- Improve the infrastructure of the department.
- Improve performance of the students.
- Formulate job oriented programme



Evaluative Report of the Department of Political Science

1. Name of the Department **Political Science**
2. Year of establishment

Name of the Course	Establishment
General Course	Academic Session 1980
Honours Course	Academic Session 1999-2000

3. Names of programs offered (UG, PG, Pharm D, Integrated Masters; M.Phil., Ph.D., Integrated Ph.D., Certificate, Diploma, PG Diploma, D.M./M.Ch., Super specialty fellowship, etc.)

UG / (Political Science Honours and Political Science General)

4. Name of Interdisciplinary course and the department /unit involved: **Environmental Studies for the Third year students of all disciplines.**
5. Examination System: Annual/Semester/Trimester/Choice Based Credit System: **Annual**
6. Participation of the department in the courses offered by other departments: **Teaching Political Science General to the students of other disciplines and Environmental Studies to the third year students of the college.**
7. Courses in collaboration with other universities, industries, foreign institutions, etc.: **NIL**
8. Details of programs discontinued, if any, with reasons **NIL**
9. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)

	Sanctioned	Filled
Professor	NIL	NIL
Associate Professor/Reader	01	01
Assistant Professor	01	NIL
Lecturer	NIL	NIL
Tutor / Clinical Instructor	NIL	NIL
Senior Resident	NIL	NIL

10. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph. D students guided in the last 4 years
Dr. Narayan Chandra Datta	Ph.D	Associate Professor	Sociology	30 years	Nil



Smt. Sucheta Kundu	M.A., M. Phil	Govt. Approved Part-time teacher	Sociology	22 years	Nil
Ms. Piyali Chatterjee	M.A., B.Ed	Management Approved Part-time teacher	Public Administration	04 years	Nil
Ms. Dipti Mondal	M.A., B.Ed	Management Approved Part-time teacher	Public Administration	04 years	Nil
Shri Saikat Mallick	M.A., B.Ed	Management Approved Part-time teacher	Public Administration	03 years	Nil

11. List of senior Visiting Fellows, adjunct faculty, emeritus professors: **NIL**
12. Percentage of classes taken by temporary faculty – program-wise information: **50%**
13. Program-wise Student Teacher Ratio: (**Honours**)=**15.6: 1**
14. Number of academic support staff (technical) and administrative staff: **NIL**
15. Qualifications of the teaching Faculty with DSc/DLitt/PhD/M.Phil/PG
PhD: 01, M.Phil: 01, PG.-03
16. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise. **NIL**
17. Departmental projects funded by ICMR; DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received. **NIL**
18. Research facility / centre with : **NIL**
 - state recognition
 - national recognition
 - international recognition
19. Publications:
 - Number of papers published in peer reviewed journals (national / international) : **NIL**
 - Monographs: **NIL**
 - Chapters in Books: (Narayan Datta: **02**, SuchetaKundu: **03**)
 - Books edited: **01(By Dr. Narayan Ch. Datta)**
 - Books with ISBN with details of publishers: **NIL**
 - Number listed in International Database (For *e.g.* Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, Medline, etc.) **NIL**
 - Citation Index – range / average **NIL**
 - SNIP **NIL**
 - SJR **NIL**
 - Impact Factor – range / average **NIL**



➤ h-index **NIL**

20. Areas of consultancy and income generated **NIL**

21. Faculty serving in

a) National committees b) International committees c) Editorial Boards d) any other (specify)

Dr. Narayan Ch. Datta is presently the Guest Faculty of Political Science Department of Kazi Nazrul University and University Nominee of Standing Committee of Asansol Girls' College, Asansol, Burdwan.

22. Student projects

d. percentage of students who have taken up in-house projects including inter-departmental projects: **100% (Project on Environmental Studies for the Third year students as a part of their curriculum)**

e. percentage of students doing projects in collaboration with other universities / industry / institute **NIL**

23. Awards / recognitions received at the national and international level by

- Faculty **NIL**
- Doctoral / Post doctoral fellows **NIL**
- Students **NIL**

24. List of eminent academicians and scientists/ visitors to the department: **NIL**

25. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.

Yes, One U.G.C sponsored seminar was organized in Nov, 2011. The outstanding participants were:

- a. **Prof. Mohit Bhattacharyya, Ex-V.C., The University of Burdwan**
- b. **Prof. Prabhat Dutta, Ex-Centenary Professor, Dept. of Pol. Science, C.U.**
- c. **Prof. Apurba Mukhopadhyay, Professor, Netaji Institute for Asian Studies, Kolkata.**
- d. **Prof. Dr. Himansu Ghosh, Ex- Chairman, College Service Commission, West Bengal.**
- e. **Prof. Jaytilak Guha, Professor, IIPA, New Delhi.**
- f. **Nimai Chand Pramanik, Ex-Head and Professor, Dept. of Political Science, B.U.**

26. Student profile program-wise:

Name of the Program (refer to question no. 4) Political Science (Honours)	Applications received	Selected	Enrolled	Pass percentage
2010-11	134	31	31	83.00
2011-12	180	37	33	95.00



2012-13	115	28	26	83.00
2013-14	20	18	15	62.00
2014-15	41	22	19	56.25

27. Diversity of students

Name of the Program (refer to question no. 4)	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
Political Science (Honours & General)	100%	NIL	NIL	NIL

28. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE, USMLE, PLAB, GPAT, NCLEX, CGFNS, IELTS and other competitive examinations? Give details category-wise. **NIL**

29. Student progression

Student progression	Percentage against enrolled
UG to PG	70%
PG to M.Phil, DM / M Ch / DNB	Nil
PG to Ph.D.	Nil
Ph.D. to Post-Doctoral	Nil
Employed	Nil
<ul style="list-style-type: none"> • Campus selection • Other than campus recruitment 	
Entrepreneurs	Nil

30. Present details of departmental infrastructural facilities with regard to

a) Library **Total books: 2574**

b) Internet facilities for staff and students: **YES**

c) Total number of class rooms: **01**

d) Class rooms with ICT facility and 'smart' class rooms: **NIL**

e) Students' laboratories: **NIL**

30. Number of post graduate students getting financial assistance from the university. **Not Applicable**

31. Give details of student enrichment programs (special lectures / workshops / seminar) involving external experts.

Seminars are organized as and when possible. Intra and Inter- Departmental Seminars are organized. Sometimes, External experts are invited for the purpose. One UGC-sponsored two-day state-level Seminar was organized by the Department in the year 2011 on 29th and 30th November on the topic " Women in



Panchayats: The West Bengal Scenario"

32. List the teaching methods adopted by the faculty for different programs including clinical teaching.

1. Traditional method of Chalk & talk.

2. Power-point Presentation.

3. Supply of Study Materials to the students

33. Participation in Institutional Social Responsibility (ISR) and Extension Activities.

The students participate in Institutional Social Responsibility through NSS and NCC activities organized by the college.

34. SWOC analysis of the department and Future plans

S	Strengths	W	Weaknesses
	<ol style="list-style-type: none"> 1. Teachers are very dedicated 2. Indomitable spirit of the students to learn 3. Forward- looking attitude of both the teachers and students 4. Dynamism and Creativity of the Students 5. Cordial and Friendly teacher-student relationship 		<ol style="list-style-type: none"> 1. Under Staffed 2. Inadequate infrastructure 3. Overloaded Syllabus 4. Insufficient Library Books 5. Not ICT enabled
O	Opportunities	C	Challenges
	<ol style="list-style-type: none"> 1. Easy availability of teacher services 2. Opportunities to express creativity of students through various means 3. Opportunities of the students to be conscious of their rights and duties 4. Opportunities for employment 5. Opportunities to know the country and the world 		<ol style="list-style-type: none"> 1. To make class smart and technology-friendly 2. To make students able to prepare themselves for various competitive examinations 3. To make students aware of availing of higher studies. 4. To make students able to cope with the competition of this globalized world 5. To make students aware of their positive personality traits.



FUTURE PLANS:

- ✓ To take measures to enable the department to cater to the needs relating to the all-round development of the students.
- ✓ Enrichment and enlargement of the seminar library
- ✓ To make the department capable of catering to the needs of the country and the society
- ✓ To make the department an ideal one.



Evaluative Report of the Department of Chemistry

1. Name of the department: **CHEMISTRY**

2. Year of Establishment:

Name of the Course	Establishment
General Course	Academic Session 1990-91
Honours Course	Academic Session 2008-09

3. Name of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc)-**UG/ Three Year Course in Chemistry General**

Three Year Course in Chemistry Honours

4. Name of Interdisciplinary course and the department /unit involved-**Environmental Studies for the Third year students of all disciplines.**

5. Annual/semester/choice based credit system (Programme wise): **Annual based credit system**

6. Participation of the department in the courses offered by other department-**Teaching Chemistry General to other students of Science discipline and Environmental Studies to the third year students.**

7. Courses in collaboration with other universities, industries ,foreign institution, etc.-
Nil

8. Details of courses /programmes discontinued (if any) with reasons-**Nil**

9. Number of Teaching posts

	Sanctioned	Filled
Professors	nil	Nil
Associate Professors	nil	Nil
Asst. Professors	01	01

10. Faculty profile with name, qualification, designation, specialization, (D.sc/D.Litt./Ph.D./M .Phil. etc.)

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students Guided for the last 4 years
Dr. Narayan Ray	M.Sc., Ph. D	Assistant Professor	Physical Chemistry	14 years	Nil



Bidhan Chandra Mahatha	M.Sc	Government approved Part Time Teacher.	Organic Chemistry.	8 years	Nil
Dr. Ramanath Sinha	Ph.D	Management appointed Part-time Teacher.	Inorganic Chemistry	30 years	Nil
Ratna Laha	M. Sc	Management appointed Part-time Teacher.	Inorganic Chemistry.	2 months	Nil
Asis Maji	M. Sc	Management appointed Part-time Teacher	Organic Chemistry.	2 months	Nil

11. List of senior visiting faculty: NIL

12. Percentage of lectures delivered and practical classes handled(Programme wise)
by temporary faculty-**50%**

13. Student- Teacher ratio(Programme wise)-**15:1**

14. Number of academic support staff (technical) and administrative staff; sanctioned and

Filled:

Category	Sanctioned	Filled
Lab. Attendant	02	01
Administrative Staff	Nil	Nil

15. Qualification of teaching faculty with D.Sc./D.Litt./Ph.D./PG.-

P G =03
Ph. D. =01

16. Number of faculty with ongoing project from a)National b)International funding agencies and grants received-**NIL**

17. Departmental projects funded by DST-FIST;UGC;DBT;ICSSR, etc. and total grants received-**Nil.**

18. Research Center/facility recognized by the University-**Nil.**



19. Publications:

- a. Publication per faculty-

Dr. Narayan Ray=7

- b. Number of papers published in peer reviewed journals (national/international)by **faculty** and students: **Dr Narayan Ray =6**

- c. Number of Publications listed in International Database(For E.g. Web of science ,Scopus, Humanities International Complete, Dare Database- International Social Sciences Directory, EBSCO host, etc)

- d. Monographs

- e. Chapter in Books: **Dr Narayan Ray :01**

- f. Books Edited

- g. Books with ISBN/ISSN number with detail of publishers

- h. Citation Index

- i. SNIP

- j. SJR

- k. Impact Factor

- l. h-index

20. Areas of consultancy and income generated-**Nil.**

21. Faculty as members in

- a. National committees b. International Committees c. Editorial Boards.....

Nil.

22. Student project

- a. Percentage of students who have done in-house projects including inter departmental /Programme- **100% of the third year students have done ENVS projects as part of their curriculum requirement.**

- b. Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/Other agencies-**Nil.**



23. Awards/Recognitions received by faculty and students- **Nil.**
24. List of eminent academicians and scientists/visitors to the department: Nil
25. Seminars /Conferences /Workshops Organized & the source of funding
- National : **Nil**
 - International: **Nil**
26. Student profile programme /Course wise:

Name of the Course/Programme Chemistry	Applications received	Selected	Enrolled		Pass Percentage (On the basis of Part-III Results of the given academic session)
			*M	*F	
2010-2011	56	13	--	09	33%
2011-2012	59	12	--	09	22%
2012-2013	67	13	---	10	45%
2013-2014	15	13	--	06	41%
2014-2015	38	15	--	08	23%

*M=Male *F=Female

27. Diversity of students

Name of the course	Session	% of students from the same state	% of students from the other state	% of students from the abroad
Chemistry	2010-2011	100	Nil	Nil
	2011-2012	100	Nil	Nil
	2012-2013	100	Nil	Nil
	2013-2014	100	Nil	Nil
	2014-2015	100	Nil	Nil

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.-**Nil.**

29. Student progression



Student progression	Against % enrolled
UG to PG	20
PG to M. Phil.	Nil
PG to Ph.D.	Nil
Ph.D. to Post Doctoral	Nil
Employed	NIL
• Campus selection	--
• Other than campus recruitment	10%
Entrepreneurship/self employment	Unknown

30. Detail of infrastructural facilities

- a. Library-**Number of books-545**
- b. Internet facilities for staff & Students-**YES**
- c. Class rooms with ICT facility-**Centrally one class room**
- d. Laboratories –**Two Laboratories: One for Hons. Courses; another for General Courses.**

31. Number of students receiving financial assistance from college , university, government or other agencies –**25-30%**

32. Detail on student enrichment programmes (special lectures/ workshop/ seminar)with external experts **Nil.**

33. Teaching methods adopted to improve student learning

Teaching with Projector; Oral Test, Seminar by students, Class Tests, Tutorial.

34. Participation in Institutional Social Responsibility (ISR)and Extension activities – **Participation of the students in NSS and NCC activities.**

35. SWOC analysis of the department and Future plans

STRENGTH
Student friendly environment Laboratory facility good.
WEAKNESS
Students input not so strong.
OPPORTUNITY
Research facility available at ENVIS Laboratory
CHALLENGE
Better result

Future Plans: **To enrich the department with ICT classrooms, improved infrastructure and active student participation.**



Evaluative Report of the Department of Mathematics

1. Name of the Department: **MATHEMATICS**
2. Year of establishment:

Name of the Course	Establishment
General Course	Academic Session 1990-91
Honours Course	Academic Session 2000-2001

3. Names of programs offered (UG, PG, PharmD, Integrated Masters; M.Phil., Ph.D., Integrated Ph.D., Certificate, Diploma, PG Diploma, D.M./M.Ch., Super specialty fellowship, etc.) **UG (HONOURS & GENERAL)**
4. Name of Interdisciplinary courses and departments/units involved: **Environmental Studies for the Third year students of all disciplines.**
5. Annual/Semester/ Choice Based Credit System (program wise): **ANNUAL**
6. Participation of the department in the courses offered by other departments: Teaching Mathematics General to the students of other departments like Chemistry, Physics, Economics. Also teaching **Environmental Studies for the Third year students of all disciplines.**
7. Courses in collaboration with other universities, industries, foreign institutions, etc. : **NIL**
8. Details of courses/programmes discontinued (if any) with reasons: **NIL**
9. Number of teaching posts

	Sanctioned	Filled
Professor	NIL	NIL
Associate Professor/Reader	NIL	NIL
Assistant Professor	02	01
Part-time (Govt. Approved)	02	02

10. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. students guided for the last 4 years
Dr. LaxminarayanSahoo	M.Sc in Applied Mathematics, Ph.D	Assistant Professor	Advanced Optimization and Operations Research	10 Years	02 (Guiding)
Ms. Jhumur Banerjee	M. Sc in Statistics	Government Approved	Operations Research	11 Years	Nil



		Part-time teacher			
Shri Kousik Roy	M. Sc in Mathematics	Government Approved Part-time teacher	Advanced Geometry	6 years	Nil

11. List of senior Visiting faculty **No**
12. Percentage of lectures delivered and practical classes handled (program-wise) by temporary faculty **Not Applicable**
13. Student Teacher Ratio: **24:1**
14. Number of academic support staff (technical) and administrative staff: **NIL**
15. Qualifications of teaching faculty with DSc/D.Litt/Ph.D/MPhil/P.G **Ph.D.: 01, P.G. 02**
16. Number of faculty with ongoing projects from a) national b) international funding agencies and grants received.

Sl. No.	Period	Name of Principal Investigator	Title of the Project	Name of the funding Agency	Total Grant Received	Status
1.	14/12/2010 to 13/06/2012	Dr. Laxminarayan Sahoo	STUDIES ON RELIABILITY OPTIMIZATION PROBLEMS BY GENETICALGORITHM	UGC	Rs. 91000	Completed

17. Departmental projects funded by DST-FIST; UGC, DBT, ICSSR, etc. and total grants received.

18. Research Centre/ facility recognized by the University

The Department has one class room for research work with one computer installed with research related software

19. Publications:

- Publication per faculty

Publications of Dr. Laxminarayan Sahoo: 26

(i) Published Paper(S) in Journal: 18

(ii) Published Paper(S) in Books: 07

- Number of papers published in peer reviewed journals (national / international) by **faculty** and students: **19**
- Number listed in International Database (For *e.g.* Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences



- Directory, EBSCO host, Medline, etc.) **26**
- Monographs: **Nil**
 - Chapters in Books : **07**
 - Books edited: **Nil**
 - Books with ISBN with details of publishers: **01**

Name of Book	Publishers	Pages	Year	ISBN
Advanced Operations Research	Asian Books Private Limited, New Delhi	656	2011	978-81-8412-147-6

- Citation Index – range / average : **Average 30**
 - SNIP
 - SJR
 - Impact Factor – range / average : **0 to 2**
 - h-index
20. Areas of consultancy and income generated: **Nil**
21. Faculty as members in
- a) National committees b) International committees c) Editorial Boards d) any other (specify)
 1. **Dr. Laxminarayan Sahoo has acted as Technical Program Committee of ETES, 2014 organized by Asansol Engineering College.**
 2. **Member of ORSI**
 3. **Member of International Association of Engineers (IAENG)**
 4. **Senior Member of Institute of Research Engineers and Doctors (IRED)**
 5. **Dr. Laxminarayan Sahoo is engaged with reviewing of research papers of the following Journals :**
 - (i) **Computers & Industrial Engineering (Elsevier Science),**
 - (ii) **Applied Mathematics and Computation (Elsevier Science),**
 - (iii) **International Journal of System Assurance Engineering & Management (Springer),**
 - (iv) **Neural computing & Applications (Springer)**
 - (v) **IIE Transactions (Taylor and Francis)**
22. Student projects
- (i) percentage of students who have done in-house projects including inter-departmental/ programme: **100% of the third year students have done ENVS projects as part of their curriculum requirement.**
 - (ii) percentage of students placed for projects in organizations outside the institution i.e. research laboratories/Industry/ other agencies: **NIL**
23. Awards / recognitions received by faculty and students
- Faculty



- (i) **Dr. Laxminarayan Sahoo has received** Prof. M. N. Gopalan Award for best Ph. D thesis in Operations Research (2012) from ORSI, India.

24. List of eminent academicians and scientists/ visitors to the department: **NIL**

25. Seminars/ Conferences/Workshops organized and the source of funding

a) National: **NIL**

b) International: **Nil**

26. Student profile programme / course wise:

Name of the Program (refer to question no. 4)	Applications received	Selected	Enrolled		Pass percentage
			Male	Female	
2008-2011	59	17	NA	13	71.42%
2009-2012	63	19	NA	13	66.66%
2010-2013	55	13	NA	8	40.00%
2011-2014	64	22	NA	14	77.77%
2012-2015	49	13	NA	9	57.14%

27. Diversity of students

Name of the Program (refer to question no. 4)	% of students from the same state	% of students from other State	% of students from abroad
2008-2011(UG)	100%	0%	0%
2009-2012 (UG)	100%	0%	0%
2010-2013 (UG)	100%	0%	0%
2011-2014 (UG)	100%	0%	0%
2012-2015 (UG)	100%	0%	0%

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense service, etc.? **Information not available**

29. Student progression

Student progression	Percentage against enrolled
UG to PG	100% (Regular & Distance Mode)
PG to M.Phil, DM / M Ch / DNB	NA
PG to Ph.D.	NA
Ph.D. to Post-Doctoral	NA
Employed	0%
<ul style="list-style-type: none"> • Campus selection • Other than campus recruitment 	Other than campus recruitment exact information is not available but the employment rate is more than 40%
Entrepreneurs/ Self-Employed	Less than 60%

30. Details of infrastructural facilities



- a. Library: **No. of books: 1087**
- b. Internet facilities for staff and students: **Yes**
- c. Class rooms with ICT facility: **Centrally one classroom**
- d. Laboratories: **NIL**

31. Number of students receiving financial assistance from college, university, governor
other agencies

25%-30%

32. Details on student enrichment programmes (special lectures/ workshops/ seminar)
with external experts :**NIL**

33. Teaching methods adopted to improve student learning:

**Chalk & Talk, Power Point Presentations, Supply of study materials downloaded
from internet.**

34. Participation in Institutional Social Responsibility (ISR) and extension activities

**Students participate in Institutional Social Responsibility through NSS and NCC
activities of the college.**

35. SWOC analysis of the department and Future Plans

STRENGTHS
Teachers are very dedicated Students are cooperative and cordial Students are very spirited Students are very hardworking Teacher-Student relationship is very good.
WEAKNESSES
Inadequate full time teachers Rate of admission of students is very poor Syllabus is not suitable for employability of the students Inadequate library books Modern teaching-learning facilities are not sufficient.
OPPORTUNITIES
To fulfill the academic and other demands of the students To make the department capable of making the students fit for future jobs.
CHALLENGES
To make smart classroom To make students able to prepare them for various competitive examinations To make students community and social oriented.

FUTURE PLANS:

- **To take measures to enable the department to cater to the needs of the students and the society at large**
- **Enrichment of the departmental library**
- **To make students aware of their abilities**
- **To make students aware of their responsibilities towards environment.**



Evaluative Report of the Department of Physics

1. Name of the Department: **DEPARTMENT OF PHYSICS**

2. Year of establishment:

General Course	1990-1991
Honours Course	2001-2002

3. Names of programs offered: **UG (HONOURS & GENERAL)**

4. Name of Interdisciplinary courses and departments/units involved: **Environmental Studies for the Third year students of Science and Commerce disciplines.**

5. Annual/Semester/ Choice Based Credit System (program wise): **ANNUAL**

6. Participation of the department in the courses offered by other departments: **CHEMISRTY, MATHEMATICS, ENVIRONMENTAL STUDIES.**

7. Courses in collaboration with other universities, industries, foreign institutions, etc. : **NIL**

8. Details of courses/programmes discontinued (if any) with reasons: **NIL**

9. Number of teaching posts

	Sanctioned	Filled
Professor	Nil	Nil
Associate Professor/Reader	02	01
Assistant Professor	02	01
Management Appointed Part-time Teacher	02	02

11. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt./Ph.D. / M. Phil. etc.,)

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. students guided for the last 4 years
Dr. Alok Kumar De	Ph.D	Associate Professor.	Nuclear Physics.	18 years 08 months	Guiding 02 students
Dr. Saumendra Sankar De Sarkar	Ph. D.	Assistant Professor	Radio Physics and Electronics.	08 years 11 months.	Nil
Parusottam Maji	M. Sc.	Management appointed Part-time Teacher.	Condensed Matter Physics	04 months	Nil
Jaydev Chakravarty	M. Sc.	Management appointed Part-time Teacher.	Material Science	04 months	Nil



10. List of senior Visiting faculty: **Nil.**

11. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty:

UG	Honours (%)			General (%)	
	Part-I	Part-II	Part-III	Part-I	Part-II
Lectures delivered per week	40	50	57	50	50
Practical classes handled per week	Nil	Nil	Nil	Nil	Nil

12. Student Teacher Ratio (Programme wise):

UG	Student-Teacher ratio
Honours Course	8:1
General Course	23:1

13. Number of academic support staff (technical) and administrative staff: sanctioned and filled:

	Sanctioned	Filled
Academic support staff (technical) (Laboratory Attendant)	01	01
Administrative staff	Nil	Nil

14. Qualifications of teaching faculty with DSc/D.Litt/Ph.D/MPhil/P.G :**Ph.D=02 P.G.=02.**

15. Number of faculty with ongoing projects from a) national b) international funding agencies and grants received. **National: 01**

16. Departmental projects funded by DST-FIST; UGC, DBT, ICSSR, etc. and total grants received.

Research projects carried out or being carried out by Dr Alokkumar De as Principal/ Investigator/Collaborator/Coordinator with researchers from different institutions including Raniganj Girls' College is as follows:

Serial No.	Title of the Project/ Experiment	Name of the funding agency	Duration	Working as Principal Investigator / Collaborator/Coordinator.
01	Study of Orbiting and Anomalies in Nuclear	DAE	Since 1997.	Collaborating with Dr. A. Ray (Principal



	Reactions.			Investigator), VECC (DAE), Calcutta, W.B.
02	Back-angle study in medium mass nuclei.	DAE	Since 1999.	Collaborating with Dr. A. Ray (Principal Investigator), VECC (DAE), Calcutta, W.B.
03	The ongoing BaF ₂ program at VECC, Kolkata.	DAE	Since 2002.	Collaborating with Dr. S. R. Banerjee (Principal Investigator), VECC (DAE), Calcutta, W.B.
04	Change of decay rate of ¹⁰⁹ In and ¹¹⁰ Sn in different media.	DAE	Since December, 2005.	Collaborating with Dr. A. Ray (Principal Investigator), VECC (DAE), Calcutta, W.B.
05	Study of Orbiting and Anomalies in Nuclear Reactions in the mass region A = 100.	Beam-Time-Request for the proposal approved by VECC (DAE)	Since September, 2006.	Principal Investigator.
06	Study of three-body forces in few-nucleon experiments.	Beam-Time-Request for the proposal approved (verbally) at VECC (DAE) meeting for working using VEC, Kolkata.	Since September, 2006.	Principal Investigator.
07	High Accuracy Mass Measurement and Decay Studies of Short-Lived β-Unstable Nuclei In a Penning Trap.	VECC (DAE) with MATS Collaboration in Jermany.	Since January, 2007.	Collaborating with Dr. A. Ray (Principal Investigator from India), VECC (DAE), Calcutta, W.B; Collaboration with University of Mainz/GSI in Germany as well.
08	Pollutant Scavenging by some Macrophytes&Microphytes in Lotic Waterbody.	Raniganj Girls' College,	Since March, 2007.	Coordinator.
09	Bioremediation of aquatic pollutants and afforestation. (Project proposal on National Environmental Awareness Campaign 2007-2008). Subject on which the Project was Approved: National Environmental Awareness Campaign on	Submitted to Ministry of Environment & Forests (Government of India). Regional Resource Agency:	20.12.2007 to 15.03.2008.	Principal Investigator. Awarded Certificate of Excellence.



	Biodiversity Conservation during 2007-2008. [Sanction Order No.: SFR/NEAC/3906/56/WB-475/2007 dated 01.12.2007.]	School of Fundamental Research, 29 Pratapaditya Road, Kolkata-700026.		
10	[Minor Research Project] Study of Orbiting and Anomalies in Nuclear Reactions in the mass region $A = 100$. [Ref. No. F.PSW-011/07-08 (ERO) dated 21.02.2008].	University Grants Commission (UGC).	Since 27.03.2008.	Principal Investigator.
11	Impact of industrial and mining operations on drinking water quality in Raniganj Coalfield area of West Bengal. [Ref. No. 892(Sanc.)/ST/P/S&T/13 G-7/2008, dated 23.03.2009.	Department of Science & Technology, Govt. of West Bengal	Since March/April, 2009.	Principal Investigator
12	Study of Orbiting and Anomalies in $^{12}\text{C} + ^{89}\text{Y}$ and $^{16}\text{O} + ^{89}\text{Y}$. [Modified Title: Study of nuclear temperature and reaction mechanism from different fragment spectra in the mass region $A \sim 100$] [Ref. No. UGC-DAE-CSR-KC/CRS/2009/NP-TIFR02/, Dated June 23 rd 2010.]	UGC-DAE Consortium for Scientific Research, Kolkata Centre.	With effect from 01.07.2010. [Proposal is approved for three years, with one Research Scholar.]	Principal Investigator.
13	Study of change of ^{109}In electron capture rate in a compound medium.	Variable Energy Cyclotron center (VECC) [DAE], Kolkata	Proposal Submitted to: TRIUMF – EEC SUBMISSION (TRIUMF, Vancouver, USA)	Collaborating with Dr. A. Ray (Spokesperson for Group), VECC (DAE), Kolkata, W.B, India. [Proposal submitted.]

17. Research Centre/ facility recognized by the University

Research Work being done in collaboration with other institutions, e.g., Variable Energy Cyclotron Centre (DAEF), Kolkata, Barasat Govt. College,



Kolkata, Experimental programs run VECC (Kolkata), IUAC (New Delhi), BARC-TIFR (Mumbai). Facilities are available to analyse data using Departmental Computers.

18. Publications:

- * Publication per faculty

Publications of Dr. Alok Kumar De

- Research Publications in Physics in International Journals: 31
- Research Publications in journals involving other subjects: 02
- Publications of chapters in Books involving other subjects: 02
- Research Publications in Proceedings of National & International Conferences, Workshops, Seminars, Symposia: 83
- Research Publications in Proceedings of National & International Conferences, Workshops, Seminars, Symposia of Multidisciplinary nature: 03
- Research Publications of in Proceedings of National & International Conferences, Workshops, Seminars, Symposia involving Environmental Science: 05
- Publication of Booklet: 01 { Jeeboichitrye-Tin Dozen Boichitrya } [Written and published while conducting a project at Raniganj Girls' College on National Environmental Awareness Campaign 2007-2008 on Biodiversity Conservation, sponsored by Ministry of Environment and Forests, Govt. of India and the Regional Resource Agency being the School of Fundamental Research, Kolkata].

Publications of Dr Saumendra Sankar De Sarkar

- Research Publications in International Journals: 04
- Chapter in books: 01
- Research Publications in Proceedings of National & International Conferences, Workshops, Seminars, Symposia: 06

- Number of papers published in peer reviewed journals (national / international) by faculty and students: **Dr Alok Kumar De: 35, Dr Saumendra Sankar De Sarkar: 04**
- Number listed in International Database (For *e.g.* Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, Medline, etc.) **Dr Alok Kumar De: 26, Dr Saumendra Sankar De Sarkar: 04**
- Monographs: **Nil**
- Chapters in Books : **01**
- Books edited: **Nil**
- Books with ISBN with details of publishers: **Nil.**
- Booklet(s): **01**
- Citation Index – range / average : **Dr Alok Kumar De: Average 30; Dr Saumendra Sankar De Sarkar: 06**



- SNIP
- SJR
- Impact Factor – range / average : **0 to 2**
- h-index

19. Areas of consultancy and income generated: **Nil**

20. Faculty as members in a) National committees b) International committees c) Editorial Boards d) any other (specify)

1. Dr Alok Kumar De

Membership of Professional or Educational Bodies or Societies:

- Indian Physics Association (Calcutta Chapter).
- Indian Association for the Cultivation of Science, Jadavpur, Kolkata
- Indian Physical Society.
- Indian Association of Physics Teachers
- Paschim Banga Vignyan Mancha (Raniganj, Bardhaman Chapter).
- Bangiya Sahitya Parishad (Burdwan Branch)
- Burdwan University Alumni Association

Membership of Editorial Boards:

- Aureole, the Academic Journal of Barasat Government College, Kolkata.
- Mukta Bhavana, a quarterly published for & on behalf of Mukta-Bhavana Sanskriti Mancha, Burdwan
- Seminar Proceedings of the seminar National Seminar 2009 on Development of Science & Industry in Modern India under the auspices of The Department of History, Raniganj Girls' College on the occasion of the Ninth Annual Conference of Bharat Vidya Charcha Kendra.
- Seminar Proceedings of the seminar on NUIPRIFP-2010 organized by Department of Physics, Raniganj Girls' College in collaboration with Variable Energy Cyclotron Centre, Kolkata.
- Seminar Proceedings of the seminar on ONPRI-2012 organized by Department of Physics, Raniganj Girls' College in collaboration with Variable Energy Cyclotron Centre, Kolkata.
- Seminar Proceedings of the seminar on Bahurupe Sammukhe Tumi: Vivekananda organized by Raniganj Girls' College in collaboration with Ramkrishna Mission, Asansol

2. Dr Saumendra Sankar De Sarkar

Membership of Professional Bodies:

- Associate, Institute of and Electronics and Telecommunication Engineers, New Delhi

Membership of Editorial Boards:

- Seminar Proceedings of the seminar on NUIPRIFP-2010 organized by Department of Physics, Raniganj Girls' College in collaboration with Variable Energy Cyclotron Centre, Kolkata.
- Seminar Proceedings of the seminar on ONPRI-2012 organized by Department of Physics, Raniganj Girls' College in collaboration with Variable



Energy Cyclotron Centre, Kolkata.

- **Seminar Proceedings of the seminar on Bahurupe Sammukhe Tumi: Vivekananda organized by Raniganj Girls' College in collaboration with Ramkrishna Mission, Asansol**

21. Student projects

- Percentage of students who have done in-house projects including inter-departmental/ programme: **100% (Project on Environmental Studies.)**
- Percentage of students placed for projects in organizations outside the institution i.e. research laboratories/Industry/ other agencies: **NIL**

22. Awards / recognitions received by faculty and students

- **Awards/Recognitions received by Dr Alokkumar De:**
 - Secured 15th rank in the merit list of School Final Examination in West Bengal. Awarded National Scholarship.**
 - Was Awarded National Scholarship on the basis of result in University Entrance Examination; National Loan Scholarship on the basis of result in BSc examination.**
 - Awarded Certificate of Excellence in conducting National Environmental Awareness Campaign on Biodiversity Conservation during 2007-2008, on the basis of Project submitted to Ministry of Environment & Forests (Government of India): Regional Resource Agency: School of Fundamental Research, 29 Pratapaditya Road, Kolkata-700026.**
 - Awarded third position/prize on the basis of Poster Presentation in the 4th International Conference on Climate Change & Sustainable Management of Natural Resources at ITM University, Gwalior, M. P., India at Gwalior, during 12-14.02.2014, involving research paper presentation on Environmental Research work entitled "Impact of Industrial Wastes on Fresh Water and its Zooplankton Diversity".**

23. List of eminent academicians and scientists/ visitors to the department:

UGC sponsored Nation Seminar NUPRIFP-2010 from 25-26 February 2010		
S.No	Name of the eminent academician	Presentation on
1.	Dr Sailajananda Bhattacharya	Evolution of nuclear reaction scenario near Fermi energy
2.	Dr S. R. Banerjee	High energy photons from nuclear collisions – Experimental facilities at VECC, Kolkata
3.	Dr Ajit Kumar Sinha	An Outline of the some of the National Facilities for Research in Nuclear Physics and Study of n-rich light nuclei
4.	Dr G. Mukherjee	Nuclear structure study through the window of gamma ray spectroscopy: scope and facilities in India



5.	Dr Alok Chakrabarti	RIB facility development at VECC, Kolkata
6.	Dr Asimananda Goswami	FRENA: A facility to study Nuclear Astrophysics
7.	Dr Bikash Sinha	High Energy Nuclear Physics – An Overview
8.	Dr B.Ghosh	The Importance of Studying High Energy Nuclear Physics
9.	Dr Jan-e Alam	Properties of Quark Gluon Plasma
10.	Dr Subhasis Chattopadhyay	Big bang in the laboratory: RHIC, LHC, FAIR
11.	Dr C. Bhattacharya	Experimental facilities for Superconducting Cyclotron at VECC
12.	Dr. Kaushik Bannerjee.	Neutron Detection Facilities and Physics Issues.
13.	Dr S. Mukhopadhyay.	GDR – the giant resource; explore the nucleus.
14.	Dr Deepak Pandit.	Jacobi shape transition: Transit from macro world to nuclear dimension
UGC sponsored Nation Seminar ONPRI-2012 from 13-15 March 2012		
1.	Dr Sailajananda Bhattacharya	Evolution of nuclear reaction scenario near Fermi energy
2.	Dr S. R. Banerjee	High energy photons from nuclear collisions – Experimental facilities at VECC, Kolkata
3.	Dr Ajit Kumar Sinha	An Outline of the some of the National Facilities for Research in Nuclear Physics and Study of n-rich light nuclei
4.	Dr G. Mukherjee	Nuclear structure study through the window of gamma ray spectroscopy: scope and facilities in India
5.	Dr Alok Chakrabarti	RIB facility development at VECC, Kolkata
6.	Dr Asimananda Goswami	FRENA: A facility to study Nuclear Astrophysics
7.	Dr Bikash Sinha	High Energy Nuclear Physics – An Overview
8.	Dr B.Ghosh	The Importance of Studying High Energy Nuclear Physics
9.	Dr Jan-e Alam	Properties of Quark Gluon Plasma
10.	DrSubhasisChattopadhyay	Big bang in the laboratory: RHIC, LHC, FAIR



11.	Dr C. Bhattacharya	Experimental facilities for Superconducting Cyclotron at VECC
12.	Dr. Kaushik Bannerjee.	Neutron Detection Facilities and Physics Issues.
13.	Dr S. Mukhopadhyay.	GDR – the giant resource; explore the nucleus.
14.	Dr Deepak Pandit.	Jacobi shape transition: Transit from macro world to nuclear dimension

24. Seminars/ Conferences/Workshops organized and the source of funding

S.No.	Title of the Seminar/Conference/Workshop	Sponsored by	Organized by	Date
01	Nuclear Physics Research in India: Facilities & Perspectives (NUPRIFP-2010).	UGC	Raniganj Girls' College in collaboration with Variable Energy Cyclotron Centre (VECC) [Department of Atomic Energy], Kolkata.	25-26 February, 2010.
02	Opportunities in Nuclear Physics Research in India (ONPRI-2012).	UGC	Raniganj Girls' College in collaboration with Variable Energy Cyclotron Centre (VECC) [Department of Atomic Energy], Kolkata.	13-15 March, 2012.
03	Einstein Celebration.		Raniganj Girls' College	

25. Student profile programme / course wise:

Name of the Course/Programme (refer question no. 4)	Applications received	Selected	Enrolled		Pass percentage
			*M	*F	
2010-2011 PSHH	Part I: 65	Part I: 13	-	Part I: 10 Part II: 09 Part III: 05	Part I: 50 Part I: 44.44 Part III: 100
2011-2012 PSHH	Part I:64	Part I:10	-	Part I: 05 Part II: 08 Part III: 05	Part I: 60 Part I: 62.5 Part III: 80
2012-2013 PSHH	Part I:94	Part I:17	-	Part I: 12 Part II: 05 Part III: 07	Part I: 41.67 Part I: 60 Part III: 71.42
2013-2014 PSHH	Part I:14	Part I:13	-	Part I: 09 Part II: 12 Part III: 05	Part I: 66.7 Part I: 41.67 Part III: 40



2014-2015 PHSH	Part I:46	Part I:15	-	Part I: 10 Part II: 07 Part III:09	Part I: Results awaited Part II: Results awaited Part III: 33.3
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26. Diversity of students:

Name of the Program (refer to question no. 4)	% of students from the same state	% of students from other State	% of students from abroad
PHSH PHSG	100	0	0

27. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defence service, etc.? **01 [Rimpa Khan, a graduate of 2011 of this department, qualified in NET and is currently doing research from Jadavpur University]**

28. Student progression

Student progression	Percentage against enrolled
UG to PG	Exact data not available. 40% (approx.)
PG to M.Phil, DM / M Ch / DNB	Not available
PG to Ph.D.	Exact data not available.
Ph.D. to Post-Doctoral	Data not available
Employed	Campus Selection (0%),
<ul style="list-style-type: none"> • Campus selection • Other than campus recruitment 	Other than campus recruitment exact information is not available but the employment rate is more than 40%.
Entrepreneurs/ Self-Employed	60% (approx.)

29. Details of infrastructural facilities

- (i) Library : **TotalNo. of books: 889**
- (ii) Internet facilities for staff and students: **Yes**
- (iii) Class rooms with ICT facility: **Centrally one classroom**
- (iii) Laboratories: **04**

30. Number of students receiving financial assistance from college, university, governor other agencies: **25%-30%**



31. Details on student enrichment programmes (special lectures/ workshops/ seminar) with external experts: **NIL**
32. Teaching methods adopted to improve student learning:
Chalk & Talk, Power Point Presentations, Supply of study materials downloaded from internet.
33. Participation in Institutional Social Responsibility (ISR) and extension activities
Students participate in Institutional Social Responsibility through NCC and NSS and through activities organized by the college
34. SWOC analysis of the department and Future Plans

STRENGTHS
<ul style="list-style-type: none"> • Teachers are very dedicated • Students are cooperative and cordial • Students are very spirited • Students are very hardworking • Teacher-Student relationship is very good.
WEAKNESSES
<ul style="list-style-type: none"> • Inadequate full time teachers • Rate of admission of students is very poor • Syllabus is not suitable for employability of the students • Inadequate library books • Modern teaching-learning facilities are not sufficient.
OPPORTUNITIES
<ul style="list-style-type: none"> • To fulfil the academic and other demands of the students • To make the department capable of making the students fit for future jobs.
CHALLENGES
<ul style="list-style-type: none"> • To make smart classes • To make students able to prepare them for various competitive examinations <ul style="list-style-type: none"> • To make students community and social oriented.

FUTURE PLANS:

- **To take measures to enable the department to cater to the needs of the students and the society at large**
- **Enrichment of the departmental library**
- **To make students aware of their abilities**
- **To make students aware of their responsibilities towards environment.**



Evaluative Report of the Department of Botany

1. Name of the Department : Botany

2. Year of establishment :

Name of the Course	Establishment
General Course	Academic Session 1990-91
Honours Course	Academic Session 2000-2001

3. Names of Programmes / Courses offered:

Three Year UG Course in Botany Honours and Botany General

4. Interdisciplinary courses and departments involved: Environmental Studies for the Third year students of all streams.

5. Annual/ semester/choice based credit system: Annual

6. Participation of the department in the courses offered by other departments.

The department teaches Botany General to the students of other Science disciplines and Environmental Studies to the third year students of the college.

7. Courses in collaboration with other universities, industries, foreign institutions, etc.

Nil

8. Details of programmes discontinued, if any, with reasons: N/A

9. Number of teaching posts sanctioned and filled (Professors/Associate Professors/Asst. Professors/others)

	Sanctioned	Filled
Professor	Nil	Nil
Associate Professor	Nil	Nil
Assistant Professor	02	01

10. Faculty profile with name, qualification, designation, specialization (D.Sc./D.Litt./ Ph.D./M.Phil., etc.)

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students guided in the last 4 years
Sima Mandal	MSc.	Assistant Professor	Plant Physiology and Biochemistry	1	0



Baisakhi Mukherjee	MSc., B.Ed	Government Approved Part Time Teacher	Phycology	8	0
Kheyali Sarkar	MSc.	Government Approved Part Time Teacher	Pharmacognosy and Phytochemistry	5	0
Nandita Kar	MSc., B.Ed	Management appointed Part Time Teacher	Environmental Botany	2	0
Sourav Biswas	MSc., B.Ed	Management appointed Part Time Teacher	Environmental Botany	0	0

11. List of senior Visiting Fellows, adjunct faculty, emeritus professors: N/A

12. Percentage of classes taken by temporary faculty programme-wise information

Botany(Hons): 34%

Botany General: 66%

13. Programme-wise Student Teacher Ratio: 10:01

14. Number of academic support staff (technical) and administrative staff: sanctioned and filled

	Sanctioned	Filled
Laboratory Attendant	02	02
Administrative Staff	Nil	Nil

15. Qualifications of teaching faculty with DSc/D.Lit/PhD/MPhil/PG: PG-05

16. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Mention names of funding agencies and grants received project-wise.

Nil

17. Departmental projects funded by DST-FIST; DBT, ICSSR, etc.; total grants received: Nil

18. Research facility / centre recognized by the University: Nil

19. Publications:

➤ Publications per faculty:

1. SimaMandal: 02
2. Baisakhi Mukherjee 01
3. KheyaliSarkar 02



- **Number of papers published in peer reviewed journals (national / international) 05**
 - **Number of publications listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, Medline, etc.) 4**
 - **Monographs: NIL**
 - **Chapter(s) in Books: NIL**
 - **Editing Books: NIL**
 - **Books with ISBN numbers with details of publishers: NIL**
 - **Citation Index : N/A**
 - **SNIP: N/A**
 - **SJR: N/A**
 - **Impact factor : N/A**
 - **h-index: N/A**
- 20. Areas of consultancy and income generated: NIL**
- 21. Faculty serving in**
- 22. National committees b) International committees c) Editorial Boards d) any other (specify): NIL**
- 23. Faculty recharging strategies (Refresher / orientation programs, workshops, training programs and similar programs). NIL**
- 24. Student projects**
- percentage of students who have done in-house projects including inter-departmental: **100% third year students have Projects on Environmental studies**
 - percentage of students doing projects in collaboration with industries /institutes: **NIL**
- 25. Awards / recognitions received at the national and international level by faculty and students :
NIL**
- 26. List of eminent academicians and scientists/visitors to the department: NIL**
- 27. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any:**
- 28. Student profile course-wise:**

Name of the Course		Applications received	Selected/ Admitted	Enrolled	Pass percentage
HON	(2008-11)	77	09	05	40.00



S	(2009-12)	80	03	02	33.30
	(2010-13)	73	12	10	60.00
	(2011-14)	77	13	08	50.00
	(2012-15)	111	14	07	57.14

29. Diversity of students

Name of the Course	% of students from the same state	% of students from other States	% of students from abroad
Botany Honours and General	100	Nil	Nil

30. How many students have cleared Civil Services, Defense Services, NET, SLET, GATE and any other competitive examinations? :

Data not available

31. Student progression

Student progression	Percentage against enrolled
UG to PG	14.3%
PG to M Phil	N/A
PG to PhD	N/A
PhD to Post Doctoral	N/A
Employed	N/A
Campus selection	
Other than Campus recruitment	
Entrepreneurs/Self-employment	N/A

32. Diversity of staff

Percentage of faculty who are graduates of the same university	80%
from other universities within the State	20%
From other universities from other States	N/A

33. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period:

NIL

34. Present details about infrastructural facilities

- Library: **Total books:639**
- Internet facilities for staff and students: **YES**



- c. Total number of class rooms: **2 dedicated**
- d. Class rooms with ICT facility: **Centrally one classroom**
- e. Students' laboratories: **2**
- f. Research laboratories: **Nil**

35. Number of students of the department getting financial assistance from College, university, government or other agencies :
25-30%.

36. Was any need assessment exercise undertaken before the development of new program(s)? If so, give the methodology: No

37. Does the department obtain feedback from faculties of other departments or students :

N/A

38. List the distinguished alumni of the department (maximum 10): NIL

39. Give details of student enrichment programmes (special lectures / workshops/ seminar) with external experts. N/A

40. List the teaching methods adopted by the faculty for different programmes.

- a. Classroom lectures using teaching aids such as audio-visual aid.
- b. Practical classes conducted using fresh materials and teaching aids.
- c. One day or longer duration field excursions are carried out for all classes.
- d. Visits to Botanical garden and collection of plants for herbarium.

41. How does the department ensure that programme objectives are constantly met and learning outcomes monitored?

- By conducting periodic written tests for theory and practical, Multiple choice question type and essay type questions
- Conducting viva voce for theory
- Conducting group discussions among students
- student's presentations, and reports of field excursions.

42. Highlight the participation of students and faculty in extension activities.

All the faculties and students apart from fixed curriculum also take part in the following different programmes for the betterment of our college –

- Plantation
- Participation of students in horticulture and medicinal garden maintenance
- NSS and NCC activities
- Annual sports
- Cultural programme

43. Give details of “beyond syllabus scholarly activities” of the department.

Publication of the Wall Magazine of the department



44. State whether the programme / department is accredited / graded by other agencies. Give details: No

45. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department

Strengths
<ul style="list-style-type: none"> • Committed Faculty with expertise in different disciplines and from different Universities. • Academic enhancement • Holistic growth of students • Good student-faculty interaction • Faculty members are actively engaged in research
Weakness
<ul style="list-style-type: none"> • Inadequate infrastructure. • Book contents in Central as well as Seminar library is poor and need up gradation
Opportunities
<ul style="list-style-type: none"> • The growing awareness on environmental issues provides way of integrating our department and the students to such programmes. • The subject focuses on buzzing research areas like Molecular Biology, Genetics and Immunology etc. • Huge opportunity for the betterment of our society.
Challenges
<ul style="list-style-type: none"> • To create interest in Botany and sustain it. • To prepare students for higher education • To increase their employability.

46. Future plans of the department

- To improve our methods and scope of teaching
- To create a research unit within our limits engaging students



Evaluative Report of the Department of Microbiology

1. Name of the department: **MICROBIOLOGY**
2. Year of Establishment:

Name of the Course	Establishment
Honours Course	Academic Session 2007-08

3. Name of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc)-**UG/ Three year course in Microbiology Honours**

27. Name of Interdisciplinary course and the department /unit involved-
Environmental Studies for the Third year students of all streams.

4. Annual/semester/choice based credit system (Programme wise): **Annual**
5. Participation of the department in the courses offered by other department-
NA
6. Courses in collaboration with other universities, industries ,foreign institution, etc.-**Nil**
7. Details of courses /programmes discontinued (if any) with reasons-**Nil**
8. Number of Teaching posts

	Sanctioned	Filled
Professors	0	0
Associate Professors	0	0
Asst. Professors	1	Nil

9. Faculty profile with name, qualification, designation, specialization, (D.sc/D.Litt./Ph.D./M .Phil. etc.)

Name	Qualification	Designation	Specialization	No. of Year of Experience	No. of Ph.D. Students Guided for the last 4 years
Mr. Ansuman Ray	M.Sc.	Government Approved PTT	Microbiology	6 yrs	Nil
Kumari Bishakha	M.Sc	Management Appointed PTT	Microbiology	2 months	Nil
Mr. Subhadip Mukherjee	M.Sc	Management Appointed PTT	Microbiology	1 yr	Nil



10. List of senior visiting faculty-**NIL**
11. Percentage of lectures delivered and practical classes handled(Programme wise)by temporary faculty- **100%**
12. Student- Teacher ratio(Programme wise)-**9:1**
13. Number of academic support staff (technical)and administrative staff; sanctioned and
Filled-**Nil**
14. Qualification of teaching faculty with D.Sc./D.Litt./Ph.D./PG.-**P.G**
15. Number of faculty with ongoing project from a)National b)International funding agencies and grants received-**NIL**
16. Departmental projects funded by DST-FIST;UGC;DBT;ICSSR, etc. and total grants received-**NIL**
17. Research Center/facility recognized by the University- **NIL**
18. Publications:
 - a. Publication per faculty-**Mr.Ansuman Ray-7**
 - b. Number of papers published in peer reviewed journals (national/international)by **faculty** and students.-**2**
 - c. Number of Publications listed in International Database(For E.g. Web of science ,Scopus, Humanities International Complete, Dare Database- International Social Sciences Directory, EBSCO host, etc)
 - d. Monographs
 - e. Chapter in Books-**1+4**
 - f. Books Edited
 - g. Books with ISBN/ISSN number with detail of publishers
 - h. Citation Index



- i. SNIP
- j. SJR
- k. Impact Factor
- l. h-index

19. Areas of consultancy and income generated-**NIL**

20. Faculty as members in

- a. National committees
- b. International Committees
- c. Editorial Boards.....

Member of ISSM-International Society for Subsurface Microbiology.

21. Student project

- a. Percentage of students who have done in-house projects including inter departmental /Programme-**100%** (**Project on Environmental Studies for the Third year students as a part of their curriculum**)
- b. Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/Other agencies-**NIL**

22. Awards/Recognitions received by **faculty** and students-

YOUNG SCIENTIST AWARD -2014 in the field of microbiology on the occasion of International Conference on Environment and Ecology held on 2nd March,2015 at Kolkata,India.

23. List of eminent academicians and scientists/visitors to the department:**Nil**

24. Seminars /Conferences /Workshops Organized & the source of funding: **Nil**

- a. National
- b. International

25. Student profile programme /Course wise:

Name of the Course/Programme Microbiology Honours	Applications received	Selected	Enrolled		Pass percentage
			*M	*F	
2010-2011	41	PartI:8, PartII:4, PartIII:2		P-I:8 PII:3 PIII:2	PartI:62.5 PartII:66.6 PartIII:50
2011-2012	44	PartI:10, PartII:5		PI:10 PII:5	PartI:100 PartII:50



		PartIII:2		PIII:2	PartIII:50
2012-2013	78	PartI:7, PartII:9 PartIII:5		PI:7 PII:9 PIII:5	PartI:43 PartII:75 PartIII:40
2013-2014	20	PartI:17, PartII:7 PartIII:8		PI:17 PII:7 PIII:8	PartI:38 PartII:43 PartIII:38
2014-2015	46	PartI:10, PartII:17 PartIII:6		PI:10 PII:17 PIII:6	PartI:62.5 PartII:38 PartIII:50

*M=Male *F=Female

26. Diversity of students

Name of the course	% of students from the same state	% of students from the other state	% of students from the abroad
MICROBIOLOGY	100	0	0

27. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defence services, etc.-**Not known.**

28. Student progression

Student progression	Against % enrolled
UG to PG	50
PG to M. Phil.	40
PG to Ph.D.	50
Ph.D. to Post Doctoral	10
Employed	
• Campus selection	NIL
• Other than campus recruitment	20
Entrepreneurship/self-employment	50



29. Detail of infrastructural facilities

- a. Library-.**Number of books: 75**
- b. Internet facilities for staff & Students-**YES**
- c. Class rooms with ICT facility-**Centrally one classroom**
- d. Laboratories -**YES**

30. Number of students receiving financial assistance from college , university, government or other agencies –**Yes 25-30 %**

31. Detail on student enrichment programmes (special lectures/ workshop/ **seminar**)with external experts

- Seminar through poster presentation

32. Teaching methods adopted to improve student learning

- **Involving students in the planning of a unit of study, including how they should be assessed.**
- **Asking students questions during lectures to capture students' attention.**
- **Getting students to share in groups or individually that reflect or relate to theories taught in class.**

33. Participation in Institutional Social Responsibility (ISR)and Extension activities –**Participation in NSS and NCC activities.**

34. SWOC analysis of the department and Future plans

STRENGTH
<ol style="list-style-type: none"> 1. Student friendly environment 2. Good Laboratory infrastructure 3. Dedicated faculty members 4. Students are diligent and sincere about their responsibilities
WEAKNESS
<ol style="list-style-type: none"> 1. Shortage of class rooms. 2. Internet facility is not available. 3. Shortage of storage places for instruments and chemicals.
OPPORTUNITY
<ol style="list-style-type: none"> 1. Research facility available. 2. Opportunity to join NGOs. 3. Bright employment opportunities



CHALLENGES

1. **Improve student quality.**
2. **Creating awareness about the importance of this subject among students and their respected guardians.**

❖ FUTURE PLANS

1. Organizing workshops.
2. Organizing National seminar.
3. Applying for Minor research.
4. Upgrade the departmental laboratory as a well equipped research laboratory.



Evaluative Report of the Department of Zoology

1. Name of the Department : **Zoology**

2. Year of establishment :

Name of the Course	Establishment
General Course	Academic Session 1990-91
Honours Course	Academic Session 2000-01

3. Names of Programmes / Courses offered: **UG / Three Year Course in Zoology Honours, Three Year Course in Zoology General**

4. Interdisciplinary courses and departments involved: **Environmental Studies for the Third year students of all streams.**

5. Annual/ semester/choice based credit system: **Annual**

6. Participation of the department in the courses offered by other departments: **The department teaches Zoology General to the students of other disciplines and Environmental Studies to the third year students of the college.**

7. Courses in collaboration with other universities, industries, foreign institutions, etc: **Nil**

8. Details of programmes discontinued, if any, with reasons: **N/A**

9. Number of teaching posts sanctioned and filled (Professors/Associate Professors/Asst. Professors/others)

	Sanctioned	Filled
Professor	Nil	Nil
Associate Professor	Nil	Nil
Assistant Professor	04	01

10. Faculty profile with name, qualification, designation, specialisation (D.Sc./D.Litt./ Ph.D./M.Phil., etc.)

Name	Qualification	Designation	Specialization	Experience	No. Of PhD students guided in last 4 years
Umesh Chandra Halder	PhD	Assistant Professor	Genetics & Molecular Biology	11 months	0



Chinmoy Chatterjee	PhD	Government Approved Part-time Teacher	Ecology & Environmental Biology	20 years	0
Moumita Pal	MSc	Government Approved Part-time Teacher	Environmental Biology & Ecotoxicology	6 years	0
Somnath Banerjee	MSc	Management appointed Part-time Teacher	Parasitology & Parasitology	1yr	0
Riyanka Chatteraj	MSc	Management appointed Part-time Teacher	Parasitology & Parasitology	1years	0
Paromita Mukherjee	MSc, B.Ed	Management appointed Part-time Teacher	Aquaculture & Fishery		0

11. List of senior Visiting Fellows, adjunct faculty, emeritus professors: **N/A**

12. Percentage of classes taken by temporary faculty – programme-wise information

Zoology (Honours): 30%

Zoology (General) : 70%

13. Programme-wise Student Teacher Ratio : **Zoology Honours : 10: 1 (Approx.)**

14. Number of academic support staff (technical) and administrative staff: sanctioned and filled

Laboratory Attendant: 02 (Sanctioned : 02)

Administrative Staff: Nil

15. Qualifications of teaching faculty with DSc/D.Lit/PhD/MPhil/PG.

PhD : 02

PG : 04

16. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Mention names of funding agencies and grants received project-wise. **Nil**

17. Departmental projects funded by DST-FIST; DBT, ICSSR, etc.; total grants received: **Nil**

18. Research facility / centre recognized by the University: **Nil**

19. **Publications:**

➤ **Publication per faculty**

**Umesh Chandra Halder:**

Journal Publication: 10
 (Paper/Poster Presentation):03
 Seminar Presentation: 01

Chinmoy Chatterjee:

Journal Publication: 05
 Articles published in books: 01
 Contributed papers in conferences: 04
 Poster presentations: 01

- **Number of papers published in peer reviewed journals (national / international) 15**
- **Number of publications listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, Medline, etc.): 13**
- **Monographs: NIL**
- **Chapter(s) in Books: NIL**
- **Editing Books: NIL**
- **Books with ISBN numbers with details of publishers: NIL**
- **Citation Index – Total 145** (2010-01, 2011-10, 2012-23, 2013-33, 2014-32, 2015-44)
- **SNIP: N/A**
- **SJR: N/A**
- **Impact factor : 32.93**
- **h-index: 7**

20. **Areas of consultancy and income generated: NIL**

a) Faculty serving in a) National committees b) International committees c) Editorial Boards d) any other (specify): **N/A**

21. Faculty recharging strategies (Refresher / orientation programs, workshops, training programs and similar programs). **N/A**

22. Student projects

- percentage of students who have done in-house projects including inter-departmental:
100% (Project on Environmental Studies for the Third year students as a part of their curriculum)
- percentage of students doing projects in collaboration with industries / institutes: **NIL**

23. Awards / recognitions received at the national and international level by faculty and students
NIL

24. List of eminent academicians and scientists/visitors to the department



N/A

25. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any:

N/A

26. Student profile programme/course wise :

Name of the Course		Applications received	Selected/ Admitted	Enrolled	Pass percentage
H O N O U R S Z O O L O G Y	(2008-11)	95	16	15	50.00
	(2009-12)	99	8	5	60.00
	(2010-13)	91	16	9	66.66
	(2011-14)	96	16	10	40.00
	(2012-15)	145	20	17	31.25

27. Diversity of students

Name of the Course	% of students from same State	% of students from other States	% of students from other countries
Zoology Honours and General	100	0	0

28. How many students have cleared Civil Services, Defense Services, NET, SLET, GATE and any other competitive examinations? : **Data not available**

29. Student progression

Student progression	Percentage against enrolled
UG to PG	5.8%
PG to M.Phil.	N/A
PG to Ph.D.	N/A
Ph.D. to Post-Doctoral	N/A
Employed	N/A
Campus selection	N/A
Other than campus recruitment	N/A
Entrepreneurs	N/A

30. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period: **Ph.D. - 01**

31. Present details about infrastructural facilities

a) Library : **Total Books: 395**

b) Internet facilities for staff and students : **Yes**

c) Total number of class rooms: **3**



- d) Class rooms with ICT facility: **Centrally one classroom**
 e) Students' laboratories: **2**
 f) Research laboratories: **Nil**

32. Number of students of the department getting financial assistance from College, university, government or other agencies :**25-30%**

33. Was any need assessment exercise undertaken before the development of new program(s)? If so, give the methodology: **Nil**

34. Does the department obtain feedback from faculties of other departments or students : **No**

35. List the distinguished alumni of the department (maximum 10):**N/A**

36. Give details of student enrichment programmes (special lectures / workshops/ seminar) with external experts. **N/A**

37. List the teaching methods adopted by the faculty to improve student learning

- (1) **Classes using readymade scientific audio-visual presentation.**
- (2) **Classroom lectures using teaching aids such as audio-visual aid**
- (3) **Practical classes conducted using fresh and preserved materials and teaching aids as above**
- (4) **One day or longer duration field excursions in different ecological areas are carried out for all classes**
- (5) **Visits to industrial establishments and government organizations according to curriculum**

38. How does the department ensure that programme objectives are constantly met and learning outcomes monitored?

- (a) **By conducting periodic written tests for theory and practicals, Multiple choice question type and essay type**
- (b) **Conducting viva voce for theory and practicals**
- (c) **Conducting group discussions among students**
- (d) **Student's presentation of a particular topic**
- (e) **Assessing reports of field excursions.**

39. Highlight the participation of students and faculty in extension activities.

All the faculties and students apart from fixed curriculum also take part in the following different programmes for the betterment of our college

–

- **Plantation**
- **Gardening and vermicomposting**
- **National Service Scheme (NSS)**
- **NCC**
- **Annual Sports**
- **Cultural programme**



40. Give details of “beyond syllabus scholarly activities” of the department.

Publication of the Wall Magazine

41. State whether the programme / department is accredited / graded by other agencies. Give details: **No**

42. **Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department**

Strength:
<ul style="list-style-type: none"> • Committed Faculty with expertise in different disciplines and from different Universities. • Strive for academic enhancement • Strive for holistic growth of students • Good student-faculty interaction • Faculties are actively engaged in research
Weakness:
<ul style="list-style-type: none"> • Laboratory facilities are poor • Book contents in Central as well as Seminar library need upgradation
Opportunities:
<ul style="list-style-type: none"> • The growing awareness on environmental issues provides way of incorporating our department and students to such programmes or campaign. • Demand by environment protection agencies as Zoology is intrinsically related to environmental science. • Huge opportunity to attract more students for the betterment of our society and nation as our subject provides most modern research areas like Molecular Biology, Cancer Biology, Genetics, Immunology etc.
Challenges:
<ul style="list-style-type: none"> • Providing advanced state of the art infrastructural facilities is a major challenge • To create interest in students for Zoology and retain it throughout the course • To provide Quality education that prepares students for higher education and successive progression to employment

43. **Future plans of the department**

- To strengthen our methods and scope of teaching
- To engage students in scholarly activities apart from curriculum that will help them in future.
- To create a research unit within our limits engaging students
- To engage students in industrial based courses on regular basis.



Evaluative Report of the Department of Commerce

1. Name of the department: **Commerce**
2. Year of Establishment:

Name of the Course	Establishment
General Course	Academic Session 2000-2001

3. Name of Programmes / Courses offered: **UG / Three Year course in Commerce General**
4. Name of Interdisciplinary course and the department /unit involved: **Nil**
5. Annual/semester/choice based credit system (Programme wise): **Annual**
6. Participation of the department in the courses offered by other department: **Nil**
7. Courses in collaboration with other universities, industries, foreign institution, etc.:
Nil
8. Details of courses /programmes discontinued (if any) with reasons: **Nil**
9. Number of Teaching posts

	Sanctioned	Filled
Professor	Nil	Nil
Associate Professor	Nil	Nil
Assistant Professor	01	00

10. Faculty profile with name, qualification, designation, specialization, (D.sc/D.Litt./Ph.D./M .Phil. etc.)

Name	Qualification	Designation	Specialization	No. of Year of Experience	No. of Ph.D. Students Guided for the last 4 years
Ranjit Kumar Biswas	M.Com. ICWA(Inter)	Management Appointed Part-Time Teacher	Accounting & Control	15 yrs.	NA
Sukumar Paitandi	M.Com., DCA, DSA, Ph.D. Pursuing	Govt. Approved Part-Time Teacher	Accounting & Control	14 yrs.	NA
JasmeetKour	M.Com., B.Ed., Certificate	Management Appointed Part-Time	Accounting & Control	4 months	NA



	course in Computerised Financial Accounting	Teacher			
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11. List of senior visiting faculty: **Nil**
12. Percentage of lectures delivered and practical classes handled(Programme wise)
By temporary faculty: **100%**
13. Student- Teacher ratio(Programme wise):**10 : 1**
14. Number of academic support staff (technical)and administrative stuff; sanctioned and
Filled: **Nil**
15. Qualification of teaching faculty with D.Sc./D.Litt./Ph.D./PG.: **PG:03**
16. Number of faculty with ongoing project from a)National b)International funding agencies and grants received: **01(One): SukumarPaitandi Continuing Self-Financed Ph.D. Research Work under The University of Burdwan**
Title of the Research: "A study on the performance of Employees Cooperative Societies in Eastern Coalfields Limited" supervised by Dr. SusantaMitra, The University of Burdwan
17. Departmental projects funded by DST-FIST;UGC;DBT;ICSSR, etc. and total grants received: **Nil**
18. Research Center/facility recognized by the University: **Nil**
19. Publications:
 - a. **Sukumar Paitandi : 5**
20. Areas of consultancy and income generated: **Nil**
21. Faculty as members in
 - a. National committees b. International Committees c. Editorial Boards: **Nil**
22. Student project
 - a. Percentage of students who have done in-house projects including interdepartmental /Programme: **100% (Project on Environmental Studies for the Third year students as a part of their curriculum)**
 - b. Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/Other agencies: **Nil**
23. Awards/Recognitions received by faculty and students:
 - a. **SukumarPaitandi, faculty of Commerce Dept., has participated as a volunteer in the Programme of "Modified Leprocy Elimination Campaign" launched by Raniganj Municipality in association with Paschimbanga Vigyan Mancha, Raniganj, 1998.**
24. List of eminent academicians and scientists/visitors to the department: **Nil**



25. Seminars /Conferences /Workshops Organized & the source of funding: **Nil**

- a. National
- b. International

26. Student profile programme /Course wise:

Name of the Course/Programme (refer question no. 4)	Applications received	Selected	Enrolled		Pass percentage
			*M	*F	
B.Com. (General) 2010-2011	Part I: 17 Part II: 4 Part III: 1	Part I: 4 Part II: 4 Part III: 1	-	Part I: 4 Part II: 4 Part III: 1	Part I: 100% Part II: 75% Part III: 100%
B.Com. (General) 2011-2012	Part I: 30 Part II: 4 Part III: 4	Part I: 11 Part II: 4 Part III: 4	-	Part I: 10 Part II: 3 Part III: 4	Part I: 40% Part II: 100% Part III: 100%
B.Com. (General) 2012-2013	Part I: 39 Part II: 10 Part III: 3	Part I: 12 Part II: 10 Part III: 3	-	Part I: 11 Part II: 10 Part III: 3	Part I: 27% Part II: 20% Part III: 100%
B.Com. (General) 2013-2014	Part I: 23 Part II: 10 Part III: 10	Part I: 15 Part II: 10 Part III: 10	-	Part I: 12 Part II: 7 Part III: 7	Part I: 92% Part II: 71% Part III: 57%
B.Com. (General) 2014-2015	Part I: 30 Part II: 10 Part III: 10	Part I: 12 Part II: 10 Part III: 10	-	Part I: 10 Part II: 10 Part III: 9	Part I: Results awaited Part II: Results awaited Part III: 44%

*M=Male *F=Female

27. Diversity of students

Name of the course	% of students from the same state	% of students from the other state	% of students from the abroad
B.Com. (General)	100%	-	-

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.: **Nil**

29. Student progression

Student progression	Against % enrolled
UG to PG	10%
PG to M. Phil.	-
PG to Ph.D.	-
Ph.D. to Post-Doctoral	-
Employed	



• Campus selection	-
• Other than campus recruitment	40%
Entrepreneurship/self-employment	20%

30. Detail of infrastructural facilities
- Library : No. of Books: **200**
 - Internet facilities for staff & Students : **Yes**
 - Class rooms with ICT facility : **1**
 - Laboratories : **1**
31. Number of students receiving financial assistance from college , university, government or other agencies: **25-30%** (**The Process is Centrally conducted by the College**)
32. Detail on student enrichment programmes (special lectures/ workshop/ seminar)with external experts: **Nil**
33. Teaching methods adopted to improve student learning:
- Discussion: Formal or informal communication on open-ended questions.**
 - Gaming: Competitive movement based on course modules. Moderate competition improves performance.**
 - Graphic Presentations: Clarify the contents with diagrams, charts or graphs.**
 - Interactive Teaching: Interactive teaching techniques that can enable student learning and provide feedback to both teachers and students.**
 - Multimedia Teaching: Teaching through multimedia tools such as text, graphics, audio, video, Web resources, projection devices which increases the motivation of the students.**
 - Portfolio: Collecting, organizing, reflecting upon and publishing a variety of students work including papers, presentations and images.**
 - Computer-based interactive teaching: Computerized models are used to lighten the work load of the students.**
34. Participation in Institutional Social Responsibility (ISR) and Extension activities:
Participation in extension activities like NSS and NCC
35. SWOC analysis of the department and Future plans

Strength	Weakness
<ul style="list-style-type: none"> • Good Rapport of the students with the teachers • The Department maintains perfect academic discipline. There has been no disruption in the Academic Calendar. • The Department has a dedicated faculty and highly efficient & experienced management. 	<ul style="list-style-type: none"> • Lack of permanent faculty members in the department. • The College has not been able to enter into either faculty exchange or student exchange programme. • The socio-economic background of many of the students admitted in the College is responsible for poor language proficiency. This



<ul style="list-style-type: none"> • The infrastructural support is fairly well. • The Department receives active co-operation from the College Authority. 	<p>leads to an unsatisfactory level of comprehension and communication, particularly in the first year.</p> <ul style="list-style-type: none"> • There is a need to improve facilities to the students both in academic and co-curricular activities. • Lack of campus recruitment facilities.
Opportunities	Challenges
<ul style="list-style-type: none"> • Scope for academic excellence. • Scope for increasing admission to the department. • The modern learning requires greater proficiency in soft skills among students. The Department has the necessary technical and infrastructural resources to take this to a higher level. • Co-curricular activities in the field of local natural resources and its utilization. • Locational benefit for reinforcement academic-industry relation. 	<ul style="list-style-type: none"> • To enroll more students in the Department. • To facilitate job opportunities to the graduates • To start courses for the development of both the students and faculty members in collaboration with Universities and other institutes. • Generation of resources for upgradation of infrastructure

Future Plans:

- (a) Starting of Case Study based learning programmes
- (b) Affiliation for B.Com.(Hons.) Course
- (c) Publication of an annual journal.
- (d) Planning on study especially in the field of local socioeconomic problems.





Declaration by the Head of the Institution:



RANIGANJ GIRLS' COLLEGE

P.O.:Searsole Rajbari-713358, District:Burdwan, West Bengal, India
Principal: 0341-2444069, Telefax: 0341-2449274, Office: 0341-2445280
e-mail: raniganjgirlscollege@gmail.com, Website: www.raniganjgirlscollege.org

Ref. No.: RGC/167/1373/15

Date: 30.12.2015

Declaration by the Head of the Institution

I certify that the data included in this Self-Study Report (SSR) are true to the best of my knowledge.

This SSR is prepared by the institution after internal discussions, and no part thereof has been outsourced.

I am aware that the Peer team will validate the information provided in this SSR during the peer team visit.

Place: Raniganj
Date: 30 December 2015

Chhabi De
30.12.15

Dr Chhabi De
Principal
Raniganj Girls' College

Principal
Raniganj Girls' College
P.O.- Searsole, Dist.- Burdwan





Certificate of Compliance:



RANIGANJ GIRLS' COLLEGE

P.O.: Searsole Rajbari-713358, District: Burdwan, West Bengal, India
Principal: 0341-2444069, Telefax: 0341-2449274, Office: 0341-2445280
e-mail: raniganjgirlscollege@gmail.com, Website: www.raniganjgirlscollege.org

Ref. No.: RGC/167/1374/15

Date: 30.12.2015

Certificate of Compliance

(Affiliated/ Constituent/ Autonomous Colleges and Recognized Institutions)

This is to certify that **RANIGANJ GIRLS' COLLEGE** fulfills all norms

1. Stipulated by the affiliating University and/or
2. Regulatory council/Body (such as UGC, NCTE, AICTE, MCI, DCI, BCI, etc.)
and
3. The affiliation and recognition [if applicable] is valid as on date.

In case the affiliation / recognition is conditional, then a detailed enclosure with regard to compliance of conditions by the institution will be sent.

It is noted that NAAC's accreditation, if granted, shall stand cancelled automatically, once the institution loses its University affiliation or Recognition by the Regulatory Council, as the case may be.

In case the undertaking submitted by the institution is found to be false then the accreditation given by NAAC is liable to be withdrawn. It is also agreeable that the undertaking given to NAAC will be displayed on the college website.

Place: Raniganj.
Date: 30.12.2015



Chhabi De
30.12.15

Dr. Chhabi De

Principal

Raniganj Girls' College

Principal

Raniganj Girls' College
P.O. - Searsole, Dist. - Burdwan



Annexure on Publications:

Dr. Chhabi De
Principal

List of Research Publications in National & International Journals

S.N.	Title of the paper	Author(s)	Name of the journal	Vol. (Year) pages	National/ International	Pub.	ISSN/ ISBN
01	Factor productivity of agro techniques in tomato cultivation: an economic analysis.	De C <i>et al.</i>	Asian Journal of Soil Science	6 (2011) 221-226	National	Hind Agricultural Research and Training Institute	0973-47-75
02	Trends in production of export of vegetables in India.	De C <i>et al.</i>	Economic affairs	57 (2012) 335-339	National	New Delhi Publishers	0424-2513
03	Energy Utilization in Pea Cultivation: An Economic analysis for 1GP regions.	De C <i>et al.</i>	International Journal Of Bio Resource & Stress Management	3 (2012) 152-157	International	New Delhi Publishers	0976-3988
04	Economic analysis on Chilli Production in the Gangetic alluvial soil.	De C <i>et al.</i>	International Journal of Agriculture, Environment & Biotechnology	5 (2012) 31-34	International	New Delhi Publishers	0974-1712
05	Variation in market dynamics of fresh tomato crop in some selected capital market of the Indo-Gangetic Plain region.	De C <i>et al.</i>	Agriculture for Sustainable Development	2 (2014) 13-14	National	Agriculture for Sustainable Development	2347-5358
06	Market dynamics and export of major Solanceous vegetables in India.	De C <i>et al.</i>	International Research Journal of Agricultural Economics & Statistics	6 (2015) 126	International	Hind Agricultural Research and Training Institute	2229-7278
07	Variation in Market dynamics of farm fresh Cole crops in India.	De C <i>et al.</i>	Journal of Plant Development Sciences	5(4)-14 (2013)	International	Journal of Plant Development Sciences	0974-6382



08	Demand, supply & trade perspective of Vegetable Pea in some capital market of Northern India.	De C <i>et al.</i>	Agriculture for Sustainable Development	150 (2014) 13-14	National	Agriculture for Sustainable Development	2347-5358
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Arnab Saha: Department of Bengali

Publication in journals

Sl.No.	Title of the paper	Name of the journal	(Year) pages	Pub.	ISSN/ ISBN
01	Unish Shataker Banglai Sharir – Jounatar Elaka Nirman	Ekaler Raktokarabi	Sept. 2006	Urbee Prokason	0972-0006
02	Jounota, Kshamata, Naitikata : Dui Vinna Prakshit .	Ekaler Raktokarabi	June 2007	Do	Do
03	Jounatar Sandarva : Ekti Uunis Satakiyo Praekshit.	Anustup	March 2008	Anustup Prokason	0974-2697
04	Byakti, Dampatya, Jauna Naitikata.	Do	July 2008	Do	Do
05	Ei tnar Nirbasan.	Do	July 2009	Do	Do
06	Bish Shataker Gorai Bangalir jaunata; ekti prastabana.	Ekaler Raktokarabi	Sept., 2009	Urbee Prokason	0972-0006
07	Ras sundareer amar jeeban; punahpath.	Do	Sept., 2009	Do	Do
08	Janapriya upanyaser upadan: kayekti bikshipta sutra.	Anustup	July, 2010	Bhasa Nagar Prakashan	0974-2697
09	Kshamatar Bhasha; Kabitar Bhasa	Bhasa Nagar	Feb., 2012	Anustup Prakashan	2320-6918
10	Aami ekjan laraku nirishbar badi.	Anustup	July, 2012	Anustup Prakashan	0974-2697
11	Jaunatar dui much.	Bhasa Nagar	Feb., 2013	Bhasa Nagar Prakashan	2320-6918
12	Stalinbad chhilo natzsibader cheyeo beshi bikargrasta.	Charbak	April, 2013	Charbak Prakashan.	2319-3697
13	Jatiyatabad, Madhyabitta, Hindu comics.	Charbak	Sept., 2013	Do	Do
14	Tumi Chhire phalo or ketan.	Parampara	July-Sept., 2013	Parampara Prakashan	2320-6497
15	Satya shudhu andhakar.	Do	Oct.-Dec., 2013	Do	Do
16	Birasa, Ulgulan, Anayer Adhikar	Parampara	Jan-Mar 2014	Parampara Prakashan	2320-6497
17	Ahoto pratyahar: Binodini o samokalin rangamancho	Anustup	March 2015	Anustup Prakashan	0974-2697
18	Kshamota, Andhakar, o Ekok Kanthaswar: Sambhu Mitrer Panchti Natak	Parampara Prakashan	Oct 2015	Parampara	2320-6497

Chapter in books

S.N.	Title of the Paper	Name of the Book	(Year) /pages	Pub.	ISSN/ ISBN
01	Bhagnangsher jaunotopia? Ekti asampurna pratibedan	Jaunata o Bangali Edited by: Anil Acharya and Arnab Saha.	2009/ 93-130	Anustup Prokason	9-788190-683937
02.	Prakreta Kabita: Swapne rup debe pratikshai.	Vishnu De-r Kabita: Nibir Path. Edited by: Dhruva Kumar Mukhopadhyay and Risi Ghosh	2011/431-442	Vidya Prakashani	9-7881-920392-5-1



03.	Janapriya Upanyaser Upadan: kayekti bikshipta sutra.	Subarna Smaranika: Bangla Bibhag, Jadavpur Bishwavidyalaya.	2011/ 236-260	Jadavpur Bishwavidyalaya	81-86954-75-9
04.	Mrityu, mayor, concentration cam.p.	Sera panchasti galpa: Rabisankar Bal	2014/07-12	Dey's Publications	9-788129-521163
05.	Bangla nataka jaunata.	Bratyajan nirbachita prabandha sankalan.	2015/331-346	Kalindi Bratyajan	--
06.	Kriya pader kachhe phire aaschhi.	Hungri generation rachana sangraha	2015/579-587	Dey's Publications	9-788129-521774

Book(s) Authored / Edited

S.N.	Title of the Book	Publisher	(Year)	ISSN/ ISBN
01	Jaunata o Bangali (Edited)	Anustup Prakashani	(2009)	9-788190-683937
02.	Parnotopia	Ababhas Prakashan	(2010)	978-81-904755-9-4
03.	Manik Chakrabartir nirbachita gadya. (Edited)	Charchapad Prakashan	(2011)	9-7893-80489-10-0
04	Arup rattan basur nirbachita gadya (Edited)	Charchapad Prakashan	(2012)	9-789380-489162
05	Dusprapya bangla sahitya (Edited)	Saptarshi Prakashan.	(2013)	9-789381-180747
06	Anunyaner smriti.	Parampara Prakashan.	(2013)	9-789380-869452
07	Manik Chakrabartir nirbachita kabita. (Edited)	Patralekha Prakashan	(2013)	9-7893-81-858509
08	Haridaser Gupta katha (Edited)	Saptarshi Prakashan.	(2014)	9-789382-706687
09	Uttare theko jauno o annanya lekha.	Chnyo Prakashan	(2015)	978-82879-47-3

Tushar Kanti Banerjee: Department of Bengali**Chapters published in books**

S.N.	Title of the Paper	Author(s)	Name of the Book	(Year) pages	Pub.	ISSN/ ISBN
01	Rabindra Jiban Sadhanay Mrituchetana	Dr.Tushar Kanti Banerjee	Simar Majhe Asim Tumi : Rabindranath A collection of essays by Raniganj Girls' College	January, (2013) 234-239	Art Publising, Kolkata	ISBN - 978-81-921883-6-2
02	Rabindra Manase Raja O Praja	Dr.Tushar Kanti Banerjee	Eka bingso Satabdi: Rabindranath-er Prasangkata A collection of essays by Deshbandhu Mahavidyalaya , Chhitaranjan	2013	Desh Bandhu Chhitaranjan College	ISSN: 978-93-80-663-88-3
03	Vivekananda As A Social Reformer	Dr.Tushar Kanti Banerjee.	Bahu Rupe Sammukhe Tumi: Vivekananda, A collection of essays by Raniganj Girls' College	2014, 323-327	Art Publising, Kolkata	ISBN- 978-93-491-05-5

Book(s) Edited

SL.No.	Title of the Book	Publisher	Vol. (Year) pages	ISSN/ ISBN
01	Simar Mahje Ashim Tumi: Rabindranath	Raniganj Girls' College	2011	978-93-80-663-88-3
02	Bahu Rupe Sammukhe Tumi: Vivekananda	Raniganj Girls' College	2014	978-93-491-05-5



Chandrani Mukherjee: Department of Bengali

Chapter in Books

Sl.No.	Title of the Paper	Author(s)	Name of the Book	(Year)	Pub.	ISSN/ ISBN
01	Rabindra Manone Pitri Prabhab	C. Mukharjee	Simar Mahje Ashim Tumi: Rabindranath Raniganj Girls' College	2011	Art Publising, Kolkata	978-93-80-663-88-3
02	Swamiji O Kabiguru	C. Mukharjee	Bahu Rupe Sammukhe Tumi: Vivekananda, A collection of essays by Raniganj Girls' College	2014	Art Publising, Kolkata	978-93-491-05-5

Soma Mukherjee: Department of Bengali

Chapter in Books

Sl.No.	Title of the Paper	Author(s)	Name of the Book	Vol. (Year) pages	Natl/ Intl	Pub.	ISSN/ ISBN
01	Nibedita o Tar Chokhe Swami Vivekananda	S. Mukherjee	Bahu Rupe Sammukhe Tumi: Vivekananda, A collection of essays by Raniganj Girls' College	2014, 478-482		Art Publising, Kolkata	ISBN-978-93-491-05-5

Sucheta Mukherjee: Department of English

Books authored or edited

S.N.	Name of the book	Author(s)	Vol. (Year) pages	Pub.	ISSN/ ISBN
01	A Study of the Comic and Serious Aspects of Mark Twain's Novels	et al. S. Mukherjee	2008	Sarup & Sons, New Delhi	978-81-7625-881-4

Publication in journals

S.N.	Title of the paper	Name of the journal	Vol. (Year) pages
01	<i>Huckleberry Finn: The Intertwining of the Comic and the Serious</i>	The Atlantic Critical Review	Vol. 5, No 2, 2006
02	<i>A Connecticut Yankee In King Arthur's Court: A Study in Mark Twain's Schismatic Vision</i>	The Atlantic Literary Review	Vol.8, No.2., 2007
03	<i>The Nineteenth Century Theatrical Experience</i>	Samaj Sanskriti	Vol. 5, No. 1, 2006
04	<i>Vernacular Adaptation in Huckleberry Finn</i>	Pegasus	2004



Santanu Niyogi: Department of English

Publication in journal

S.N.	Title of the paper	Author(s)	Name of the journal	Vol. (Year) pages
01	Subversion of Urbanity and Science in Shrishendu Mukhopadhyay's Children Fiction	S. Niyogi	Muse India	60, 2015

Chapters in books

01	Book : Historicising Shakespeare's Histories in Colonial India : A Speculative Discourse	S. Niyogi	Book: Representation and Resistance: Essays on Postcolonial Theatre and Drama, Adhyayan Books, New Delhi	194-205, 2015	978-81-930148-9-9
02	Book : Non Sanz Droict	S. Niyogi	Book :Six Essays on Shakespeare and Shaw, Kanishka Institute of Research Development studies & Applications	11-14, 2011	978-81-909791-1-5

Tista Dawn: Department of English

List of Publications in National & International Journals

S.N.	Title of the paper	Author(s)	Name of the journal	Vol. (Year) pages	Pub.	ISSN/ ISBN
01	Problematics of space in Raja Rao's "The Cat and Shakespeare"	T. Dawn	Appropriations: Journal of the Department of English	6,219-230, 2010	Bankura Christian College	0975-1521
02	Problematizing Grievance in The Seven Stages of Grieving	T. Dawn	Appropriations	9, 195-202, 2013	Bankura Christian College	0975-1521
03	The Mythic/Real "India in an Expatriate" vision:A reading of Raja Rao's The Serpent and the Rope	T. Dawn	Bhasanagar	223-237, 2015		2320-6918

Publications in Proceedings of Seminars.

Sl.No	Title of the paper	Name of the Conference Proceedings	Vol. (Year) pages	Pub.
01	The Last Children: The Other face of reconciliation	Remapping the future: History , Culture, Environment in Australia & India	2011	IASA in collaboration with Monash & New South Wales University



Mitali Basu: Department of Sanskrit

Publication in books

Sl.No	Title of the paper	Author(s)	Name of the Conference Proceedings, Duration, Venue, organizer, Sponsorer.	Vol. (Year) pages	Pub.	ISSN/ ISBN
01	Vivekananda-er Vedanta - Bhabana	M. Basu	Bahurupe Sammukhey Tumi-Vivekananda, Raniganj Girls' College	2015	Raniganj Girls' College	978-93-84-491-05-5

Anita Mishra: Department of Hindi

Papers published in books

S.N.	Title of the Paper	Author(s)	Name of the Book	Vol. (Year) pages	Pub.	ISSN/ ISBN
01	Rabindranath Aur Nirala	Dr. Anita Mishra	Simar Majhe Asim Tumi: Rabindranath	2013	Raniganj Girls' College	978-81-921883-6-2
02	Samajik Kranti Ke "Agradyut" – Swami Vivekananda	Do	Bahurupe Sammukhe Tumi Vivekananda	May, 2014	Raniganj Girls' College	978-93-84-491-05-5

Md. Farooque Azam: Department of Urdu

Publications in Journals

Sl.No.	Title of the paper	Name of the journal	Vol. (Year) pages	Natl/ Intl	Pub.
01	ShamsNadim EkTruf	Rooh-e-Adab	26,2008,93,	Natl	W.B Urdu Academy (Kolkata)
02	Tagor our TaraqqiPassand Urdu Adab	Dastavez	7,2012, 89	Intl	University of Calcutta dept. of Urdu

Publication in seminar proceedings.

Sl. No	Title of the paper	Name of the Conference Proceedings	Vol. (Year) pages	Natl/ Intl
01	QuratulAinHaiderauraglejanammoheBitianakiji	Urdu Adab men KhawtinKaHissa, West Bengal Urdu Academy	2010	National
02	Tagor our taraqqipasand Urdu Adab	Tagor our Urdu Dunia, University of CalcuttaDept. of Urdu	23-24 March 2012	International
03	Akhter MadhapurikiShairi	Akhter MadhapurikiAdabiKhidmat, NCPUL(New Delhi)	8 th march 2014	National
04	Shanti ranjanBhattacharyr Ki tanqidiBasirat	Development Of Urdu Language & Letrature in Bengal, The Asiatic Society (Kolkata)	3-4 Feb 2015	National
05	Irfansiddiqi Ki GhazaliaShairi	1980 ke bad Urdu shairi, University of Calcutta Dept. of Urdu	19 th march 2015	National



06	Faiz Ahmad faiz	Jointly West Bengal Urdu Academy And pachimbangal Academy (Kolkata)	26 th Feb 2011	National
07	Sadat Hasan Manto and IsmatChogtai	The Asiatic Society (Kolkata)	20 th Feb 2014	National
08	Naie Urdu Nazm Rujhanat-o-Imkanat	The University of Calcutta Dept. of Urdu	12-13 march 2014	National
09	Urdu SahafatKaIrtaqa	NCPUL (New Delhi) Kolkata	19 th Sept 2015	National

Farzana Shaheen: Department of Urdu

Book Authored

S.N.	Name of the book	(Year)	Publisher
01	Urdu kay Numainda Afsana Nigar	2009	Md. Irfan Ali

Publications in National & International Journals

S.N.	Title of the paper	Author(s)	Name of the journal	Vol. (Year) pages	Pub.
1.	Zafar Uganwi ki Afsana Nigari	F.Shaheen	Dastawez	(2), 90, 2005	Department of Urdu, Calcutta University
2.	Quratul-Ain-Haider kay Niswani Kirdar	F.Shaheen	Rooh-e-Adob	53, 2007	West Bengal Urdu Academy
3.	Mumtaz Shreen ka Adabi Safar	F.Shaheen	Dastawez	(3),62, 2007	Department of Urdu, Calcutta University
4.	Sajjad Zaheer or Ishtarakiat	F.Shaheen	Rooh-e-Adob	190, 2008	West Bengal Urdu Academy
5.	Abul Kalam Azad aur Unke Masrin	F.Shaheen	Dastawez	(5), 2009	Department of Urdu, Calcutta University

Publications in seminar proceedings

Sl.No	Title of the paper	Author(s)	Name of the Conference Proceed- ings, Duration, Venue, organizer, Sponsored.	Vol. (Year) pages
01	Zafar Uganwi ki Afsana Nigari	F. Shaheen	Modern Urdu Fiction, Department of Urdu, University of Calcutta	2004
02	Sajjad Zaheer Aur Ishtakiyat	F. Shaheen	Sajjad Zaheer: Life and Contribution, West Bengal Urdu Academy	2007
03	Parween Shakir ki Shairi kaTadrisi Irtaqa	F. Shaheen	1980ke Baad Urdu Shairi, Department of Urdu, University of Calcutta	2015

Pritha Goswami: Department of Economics

Chapters in Books

S.N.	Chapter Name	Name of the Book	Vol. (Year) pages	Pub.	ISSN/ ISBN
01	Electrification of Rural Areas under Village Panchayats in West Bengal and the Benefits to Women	Panchayats and Women Empowerment in West Bengal Essays in Perspective	64-68, 2014	Raniganj Girls' College	978-81-88391-40-0
02	A Visionary's Visionary	Bahurupe Sammukhe Tumi	311-314, 2014	Raniganj Girls' College	978-93-84-491-05-5



Sreenita Mondal: Department of Geography

Chapter in books

S.N	Title of the paper	Author(s)	Name of the journal	(Year) pages	Pub.	ISSN/ ISBN
01	'Trends in agricultural development in new economic era: A state level analysis'	Dey, Rituparna, Sreenita Mondal and Tania Debnath	'Rural development in India: Challenges and prospects', Ed. Madhusudan Ghosh and Apurba Kumar Chattopadhyay.	35-51 (2013)	Serial Publications	ISBN. 978-81-8387-592-9.

Rituparna Ghosh: Department of Geography

List of Research Publications in Journals

S.N.	Title of the paper	Name of the journal	Vol. (Year) pages	Natl/ Intl	Pub.	ISSN/ ISBN
01	Impact of a Growth Centre: A Case Study of Durgapur	Indian Journal of Landscape Systems and Ecological Studies	Volume: 38, No. 1, 2015	Natl	Institute of Landscape, Ecology & Ekistics, Kolkata	0971-4170
02	Changing Occupational Pattern and its Impact on the Environment: A Case Study of Some Forest Fringe Villages of Sunderban Biosphere Reserve, West Bengal	Eastern Geographer	Volume XVII, No.1, 2011	Natl	Eastern Geographical Society	0973-7642
03	Green Infrastructure for Environment Enhancement in Durgapur Municipal Corporation	Indian Journal of Landscape Systems and Ecological Studies	Volume: 34, No.1, 2011	Natl	Institute of Landscape, Ecology & Ekistics, Kolkata	0971-4170
04	Urban Infrastructure in Durgapur Municipal Corporation: A Spatial Analysis	Annals	Volume XXX, No.1, 2010	Natl	National Association of Geographers, India	0970-972X
05	Impact of Land Use Changes on the Occupational Structure: A Case Study of Durgapur	Indian Journal of Landscape Systems and Ecological Studies	Volume:33, No.1, 2010	Natl	Institute of Landscape, Ecology & Ekistics, Kolkata	0971-4170
06	Grass Root Level Urban Governance: A Case Study of Durgapur Industrial City	Indian Journal of Regional Science	Volume XXXXI, No.2, 2009	Natl	Regional Science Association	0046-9017
07	Access to Medical Facilities in Burdwan Town	Indian Journal of Landscape Systems and Ecological Studies	Volume: 32, No. 1, 2009	Natl	Institute of Landscape, Ecology & Ekistics, Kolkata	0971-4170

Chapter in book

S.N.	Title of the chapter	Name of the Book	Vol. (Year) pages	Natl/ Intl	Pub.	ISSN/ ISBN
01	People's Participation and Perception of Urban Governance: A Case Study of Durgapur	Resources and Development Issues and Concerns	2013	Natl	Progressive Publishers	978-81-8064-252-4



Jyotika Waghela: Department of History

Publications in Proceedings of Seminars and conference

Sl.No	Title of the paper	Name of the Conference Proceedings, Duration, Venue, organizer, Sponsor.	Vol. (Year) pages	Pub.	ISSN/ ISBN
1.	Manabdhikarer bdhyabhumi: Jungle- Muhal, kichu katha	Oscillating Historicity of Jungle-Muhal: A Query with regard to the legacy, UGC sponsored National Seminar organized by Department of History, Saldiha College, Bankura in collaboration with Khatra Adibasi Mahavidyalaya, Bankura.	2012		
2.	Jatiya Mukti Sangrame Rabindranath Thakurer bhumika	Simar Majhe Asim Tumi: Rabindranath, UGC sponsored National Seminar organized by Departments Of History and Bengali, Raniganj Girls' College, Searsole Rajbari, Raniganj, Burdwan in collaboration with Nikhil Bharat Banga Sahitya Sammelan, Raniganj Branch & Bengal EMTA Coal Mines Ltd. Asansol	2011	Art Publising, Kolkata	978-93-80-663-88-
3.	Panchayete Mahilader Bhumika: ekti Samiksha	Panchayats and women empowerment in west Bengal Essays in perspectives	2011	Raniganj Girls' College	978-81-88391-40-0

Book(s) Authored /edited

S.N.	Title of the Book	Publisher	Vol. (Year) pages	ISSN/ ISBN
1.	Prabahini Vol I (Departmental Magazine)	Dept. of History Raniganj Girls' College	2009	
2.	Simar Mahje Ashim Tumi: Rabindranath	Raniganj Girls' College	2011	978-93-80-663-88-3
3.	Panchayats and women empowerment in west Bengal Essays in perspectives	Raniganj Girls' College	2011	978-81-88391-40-0
4.	Bahu Rupe Sammukhe Tumi: Vivekananda	Raniganj Girls' College	2014	978-93-491-05-5
5.	Prabahini Vol II (Departmental Magazine)	Dept. of History Raniganj Girls' College	2014	

Latika Sarkar: Department of History

Publications in proceedings of seminar and conferences

S.N.	Title of the paper	Name of the Proceedings	(Year) pages	Pub.	ISSN/ ISBN
01	"Panchayete Mahilader Bhumika: ekti Samiksha"	Panchayats and women empowerment in west Bengal Essays in perspectives	2011	Raniganj Girls' College	978-81-88391-40-0
02	"Ashoker Dhamma ebong Samaj-Samhati"	Rajadharma and Social Integration, UGC sponsored National seminar organized by Department of History, Kazi Nazrul University	2014		

Book(s) Authored /edited

S.N.	Title of the Book	Publisher	Vol. (Year) pages
1.	Prabahini Vol I (Departmental Magazine)	Dept. of History Raniganj Girls' College	2009
2.	Prabahini Vol II (Departmental Magazine)	Dept. of History Raniganj Girls' College	2014



Mousumi Mitra: Department of History

Chapters published in books

S.N.	Title of the Paper	Name of the Book	Vol. (Year) pages	Pub.	ISSN/ ISBN
01	Bhagini Nibedita- nari mukti andolaner ujjwal Jyotishka'.	Prabahini	January, (2014) 36-40.	Department of History, Raniganj Girls' College,	
02	'Swami Vivekanander sangeet bhabna'	Bahurupe sammukhe tumi: Vivekananda	May, (2014) 392-397	Art Publishing	978-93-84-491-05-5
03	Rabindranath O Nibedita: Dui Abismaraniya Baktitya	Vivek Chetana	2015	Raniganj Vivekananda Seva Kendra	

Anamika Saiji: Department of History

Papers published in books

S.N.	Title of the Paper	Name of the Book	Vol. (Year) pages	Pub.	ISSN/ ISBN
01	'Swamiji A Great Champion of Women Empowerment'	Bahurupe sammukhe tumi: Vivekananda	May, (2014) 233-235	Art Publishing	978-93-84-491-05-5

Amrita Mitra: Department of History

Papers published in books

S.N.	Title of the Paper	Name of the Book	ISSN/ ISBN
01	Banglay ganantya O group-theatre aandolane rajniti O samaj chetaneer pratifalan(1940-1970)	Itihas anusandhan-25 Adhunik bharat:sahitya kendrik itihas	978-81-910874-1-3
02	Shat-sattorer dasake pachimbanger rajniti O group-theatre aandolon.	Itihas anusandhan-26 Adhunik bharat:sanskritik itihas	978-81-910874-2-0
03	Banglay char dasaker natya aandolane narIr bhumika(1943-1983).	Itihas anusandhan-29 Adhunik bharat:nari	978-81-910874-2-0
04	Kathakata-1 Banglar Samaj O Sanskriti	Ekti SUCHI Udyog; Edited by Ratnabali Chatterjee and Kaushik Saha;	ISBN-978-93-80677-82-8

Publication in research journal

S.No	Title of the paper	Name of the Journal	Vol/Page Number	ISSN
1.	Rajnaitik Prekshite Banglar Sanskritik Pat Paribortaner Ruprekha (1943-1953).	Nakshtra (a bi-lingual peer-reviewed research journal)	vol.-I, January, 2015	ISSN NO. 2230-8377

Malay Ray: Department of Philosophy

Publications in Journals

S.N.	Title of the paper	Name of the journal	Vol. (Year) pages	Pub.
01	Tatparjyatar Alope Prama O Pramanyer	Darshan Manjari	2012	University of Burdwan



	Jnana			
02	Gangesher Tattvacintamani	Darshan(Tattvacintamani)	2009	University of Burdwan

Publication in proceedings

S.N.	Title of the paper	Name of the journal	Vol. (Year) pages	Pub.
01	Perspective of Distance Education	Proceedings	2008	University of Burdwan

Chapters in books

S No	Title of the chapter	Name of the Book	Year	Publisher	ISBN
01	Swami Vivekanander shiksha Chetana	Bahurupe sammukhe Tumi : Vivekananda	2014 (160-162)	Sadu-Tan-U-Prokashani	978-93-84-491-05-5
02	Panchayete asan sanraksan o mohilader khamatayan : ekti tattik bishleson	Panchayats and women empowerment in west Bengal Essays in perspectives	2014	Vivekananda Art Publishers	978-81-88391-40-0

Narayan Chandra Datta: Department of Political Science

Chapters in Books

S.N.	Title of the chapter	Name Of the Book	(Year) pages	Pub.	ISSN/ ISBN
01	Constitutional and Legal Perspective of Political Empowerment of Women: The case of West Bengal	Panchayat and Women Empowerment in West Bengal: Essays in Perspectives,	69-73, 2014	SAD-U-TAN-U Prakashani, Burdwan	978-93-84-491-05-5
02	Bhavaghure Vivekananda	Bahurupe Sammukhey Tumi:	451-458, 2015	Raniganj Girls' College	978-81-88391-40-0

Publication in proceedings

S.N	Title of the paper	Name of the Proceedings	(Year)	Pub.
01	Vivekananda's Concept of Religion and Hindutva	Book: Swami Vivekananda Nationalism in 21 st Century, , Dept. of Political Science,Asansol Girls' College, Burdwan	2014	Asansol Girls' College,

Book(s) Edited

S.N.	Title of the Book	Publisher	Vol. (Year) pages	ISSN/ ISBN
01	Panchayet and Women Empowerment in West Bengal: Essays in Perspectives,	SAD-U-TAN-U Prakashani, Burdwan	69-73, 2014	978-81-8839140-0



Sucheta Kundu: Department of Political Science

Chapter in books

Sl.No	Title of the chapter	Name of the Book Sponsorer.	Vol. (Year) pages	Pub.	ISSN/ ISBN
01	Paschimbanga Panchayat Babosthaya Narir Angsograhan: Kichhu Katha	Womens' Empowerment in West Bengal: Some Pertinent Questions	2014	Raniganj Girls' College	978-93-84-491-05-5

Publication in Proceedings

Sl.No	Title of the paper	Author(s)	Name of the Conference Proceedings	(Year) pages
01	On Nari Sikha Nari Jagoraner Path - Swami Vivekananda	S. Kundu		September, 2014
02	Swami Vivekananda: Manush Garar Sikha	S. Kundu	Swami Vivekananda: On Man-Making Education	2014

Narayan Ray: Department of Chemistry

List of Research Publications in Journals

S.N.	Title of the paper	Author(s)	Name of the journal	Vol. (Year) pages	Natl/ Intl	Pub.	ISSN/ ISBN
01	UV-Visible spectroscopic study of solvation of 2,6-diphenyl - 4 (2,4,6-triphenyl-1-pyridino) phenolate in ternary solvent mixtures	N.Ray, R. Pramanik, P.K.Das, S.Bagchi	Chemical Physics Letters	341 (2001) 255-262	Intl	Elsevier	0009-2614
02.	UV-Visible spectroscopic study of solvation in the ternary mixture methanol + ethanol + acetone	N.Ray, S.Bagchi	Chemical Physics Letters	364 (2002) 621-627	Intl	Elsevier	0009-2614
03.	Fluorimetric study of solvation in ternary solvent mixture. Ketocyanine dye in ethanol + benzene +water and ethanol +benzene + acetone	N.Ray, S.Bagchi	Journal of moleculer liquid	111 (2004) 19-24	Intl	Elsevier	0167-7322
04.	Effect of electrolyte on ground and excited state propertics of a Ketocyanine dye in non-aqueous solvents	N.Ray, J.K. Basu, M.Sannigrahi, S.Bagchi	Chemical Physics Letters	404 (2005) 63-68.	Intl	Elsevier	0009-2614



05.	UV-Vis spectroscopic study of interaction of metal ions with the E _T (30) dye involving micellar media.	J.K. Basu, M.Sannigrahi, N.Ray, S.Bagchi	Spectrochimia Acta Part A	61 (2005) 2539 - 2542	Intl		
06.	Use of a Solvatochromic probe for study of solvation in ternary solvent mixture	N.Ray, S.Bagchi	The Journal of Physical Chemistry A	109 (2005) 142-147	Intl	ACS Publications	1089-5639

Chapter Publication in Books

S.N.	Title of the Chapter	Authors	Name of the Book	Year/ Pages	Publisher	ISBN
01.	Status of Drinking Water Quality in Raniganj Coalfield Area of West Bengal in India.	Alokkumar De, Chinmoy Chatterjee, Krishna Bardhan (Ghosh), Saumendra Sankar Desarkar, Narayan Ray , Bidhan Chandra Mahatha, ManaliSengupta, Ansuman Ray, Suvra Dey, Avay Kumar Singh, Srijit Bhattacharya, Sudhee Ranjan Banerjee, Supriya Mukhopadhyay, Surajit Pal and Deepak Pandit.	Climate Change Effects on Agriculture and Economy, Editors: D. R. Khanna, A. K. Chopra, Vikas Singh, Rakesh Bhutiani & Gagan Matta.	(2013) Chapter 14 Pages: 113-134.	Bio-tech Books, New Delhi.	9788176222785.

Bidhan Chandra Mahatha: Department of Chemistry

Chapter Publication in Books

S.N.	Title of the Chapter	Authors	Name of the Book	Year/ Pages	Publisher	ISBN
01.	Status of Drinking Water Quality in Raniganj Coalfield Area of West Bengal in India.	Alokkumar De, Chinmoy Chatterjee, Krishna Bardhan (Ghosh), Saumendra Sankar Desarkar, Narayan Ray, Bidhan Chandra Mahatha , ManaliSengupta, Ansuman Ray, Suvra Dey, Avay Kumar Singh, Srijit Bhattacharya, Sudhee Ranjan Banerjee, Supriya Mukhopadhyay, Surajit Pal and Deepak Pandit.	Climate Change Effects on Agriculture and Economy, Editors: D. R. Khanna, A. K. Chopra, Vikas Singh, Rakesh Bhutiani & Gagan Matta.	(2013) Chapter 14 Pages: 113-134.	Bio-tech Books, New Delhi.	9788176222785.



Laxminarayan Sahoo: Department of Mathematics

List of Publications in National & International Journals

S.N.	Title of the paper	Name of the journal	Vol. (Year) pages	Natl/ Intl	Pub.	ISSN/ ISBN
01	A two-warehouse inventory model for deteriorating item under permissible delay in payment via particle swarm optimization	<i>International Journal of Logistic System and Management</i>	(accepted, 2015)	Intl	Inderscience	1742-7975 (O), 1742-7967 (P)
02	An efficient GA-PSO approach for solving mixed-integer nonlinear programming problem in reliability optimization	<i>Swarm and Evolutionary Computation.</i>	19 (2014) 43-51	Intl.	Elsevier Science	2210-6502
03	Reliability optimization in Stochastic Domain via Genetic Algorithm	<i>International Journal of Quality & Reliability Management</i>	31(6) (2014) 698-717	Intl.	Emerald	0265-671X
04	Optimization of system reliability for series system with fuzzy component reliabilities by genetic algorithm	<i>Journal of Uncertain Systems</i>	8 (2014) 136-148	Intl.	World Academic Press	1752-8917 (O) 1752-8909 (P)
05	An Application of Integer Linear Programming Problem in Tea Industry of Barak Valley of Assam, India under Crisp and Fuzzy Environments	<i>Journal of Information and Computing Science</i>	9(2) (2014) 132-140	Intl.	World Academic Press	1746-7659
06	Reliability optimization with high and low level redundancies in interval environment via Genetic Algorithm	<i>International Journal of Systems Assurance Engineering and Management</i>	5(4) (2014) 513-523	Intl.	Springer	0976-4348 (E), 0975-680 (P)
07	Effects of defuzzification methods in redundancy allocation problem with fuzzy valued reliabilities via genetic algorithm.	<i>International Journal of Information and Computer Science</i>	2(6) (2013) 106-115	Intl.	Science and Engineering Publishing Company	2161-5381 (O), 2161-6450 (P).
08	An Alternative Approach for PDE-Constrained Optimization via Genetic Algorithm	<i>Journal of Information and Computing Science</i>	8(1) (2013) 2041-2054	Intl.	World Academic Press	1746-7659
09	Optimization of constrained multi-objective reliability problems with interval valued	<i>Indian Journal of Industrial & Applied Mathematics</i>	3 (1) (2013)25-44	Natio- nal	IK International Publishing	0973-4317



	reliability of components via Genetic Genetic Algorithm based multi-objective					
10	Genetic Algorithm based multi-objective reliability optimization in interval environment	<i>Computers and Industrial Engineering</i>	62 (2012) 152-160	Intl	Elsevier Science	0360-8352
11	An application of genetic algorithm in solving reliability optimization problem under interval component weibull parameters	<i>Mexican Journal of Operations Research</i>	1(1) (2012) 2-19	Intl	Editada	2007-5138
12	Reliability-redundancy optimization problem with interval valued reliabilities of components via genetic algorithm	<i>Journal of Information and Computing Science</i>	7 (4) (2012) 284-295	Intl	World Academic Press	1746-7659
13	A Genetic Algorithm based Reliability Redundancy Optimization for Interval Valued Reliabilities of Components	<i>Journal of Applied Quantitative Methods</i>	5(2) (2010) 270-287	Intl	Bucharest: Association for Development through Science and Education	1842-4562
14	Reliability stochastic optimization for a series system with interval component reliability via Genetic Algorithm	<i>Applied Mathematics and Computation</i>	216(3) (2010) 929-939	Intl	Elsevier Science	0096-3003
15	Food chain model with optimal harvesting in fuzzy environment	<i>Journal of Applied Mathematics and Computing</i>	34 (2010) 1-18	Intl	Springer	1865-2085 (E), 1598-5865 (P)
16	Multi-Level Reliability Redundancy Allocation Problem in Interval Environment via Genetic Algorithm	Communications in Dependability and Quality Management	Accepted (2015)	Intl	DQM Research Centre, Siberia	1450-7196
17	Comparison of different approaches for Redundancy Allocation Problem with Interval valued Reliability via Genetic Algorithm	Communications in Dependability and Quality Management	Accepted (2015)	Intl	DQM Research Centre, Siberia	1450-7196
18	Genetic Algorithm Approach to Solve Integer Nonlinear Programming Problem in Reliability optimization	<i>Journal of Information and Computing Science</i>	Accepted (2015)	Intl	World Academic Press	1746-7659

Chapters published in books



S.N.	Title of the chapter	Name of the Book	Vol. (Year) pages	Natl/ Intl	Pub.	ISSN/ ISBN
01	Genetic Algorithm Based Reliability Optimization in Interval Environment	Innovative Computing Methods	(2011) 13-36	Intl.	Springer	978-3-642-20957-4 (P) 978-3-642-20958-1 (O)
02	Genetic Algorithm based Mixed-integer Nonlinear Programming in Reliability Optimization Problems	Quality, Reliability and Infocom Technology: Trends and Future Direction	(2012) 25-42	Intl.	Narosa Publishing House	978-81-8487-172-2
03	Chance Constrained Redundancy Allocation Problem with Imprecise Component Reliabilities via Genetic Algorithm: A simulation Based Approach	Quality, Reliability, Infocom Technology and Industrial Technology Management	(2015) 55-71	Intl.	I. K. International Publishing House	978-93-84588-57-1
04	Genetic algorithm to solve integer programming problem in reliability optimization	ETES 2014, Asansol Engineering College, Asansol, India	(2014) 99-103	Natl.	McGraw Hill Education (India) Private Natl.Limited	N-13: 978-93-392-0316-0, N-10: 93-392-0316-X.
05	Reliability redundancy allocation problem of series system by hybrid GA-PSO approach	ETES 2014, Asansol Engineering College, Asansol, India	(2014) 83-89	Natl.	McGraw Hill Education (India) Private Limited	N-13: 978-93-392-0316-0, N-10: 93-392-0316-X.
06	Optimization of high and low level redundancies via genetic algorithm with interval valued reliabilities	AMOC 2011, IIT Roorke	(2011) 380-387	Intl	IIT Roorke	81-86224-71-2
07	Reliability optimization in imprecise environment via genetic algorithm	AMOC 2011, IIT Roorke	(2011) 372-379	Intl	IIT Roorke	81-86224-71-2

Books authored

S.N.	Title of the Book	Publisher	(Year)	ISBN
01	Advanced Operations Research	Asian Books Private Ltd.	(2011)	978-81-8412-147-6

Dr Alokkumar De: Department of Physics

List of Research Publications (International Journals):

- 1) “ Alpha –Deuteron Elastic Scattering around 40 MeV” – A. De, S. Karmakar, T. Roychowdhury, S. S. Dasgupta, S. N. Chintalapudy, M. Ismail, S. R. Banerjee and A. S. Divatia, *Indian J. Phys.* **63B**(1989) 94-97.



- 2) “ α -n Final State Interaction in the Break-up of Deuterons by Alpha Particles of 45 MeV” – **A. De**, S. S. Dasgupta, D. Sen, T. Roychowdhury, S. N. Chintalapudi, S. R. Banerjee and A. S. Divatia, *Indian J. Phys.* **64A**(1990)55-62.
- 3) “ α -n Final-State Interaction in the Break-up of Deuterons by α -particles of 42 MeV” – **A. De**, S. S. Dasgupta and D. Sen, *IL Nuovo Cimento*, **106A** (1993) 611- 616.
- 4) “Time Dispersion in Large Plastic Scintillation Neutron Detectors” – **A. De**, S.S. Dasgupta and D. Sen, *IEEE Transactions on Nuclear Science*, **40**(1993) 1329-1332.
- 5) “Search for Three-Body Force Effects in the Reaction $^2\text{H}(\alpha, \alpha' p)n$ at $E_\alpha = 45$ MeV” – **A. De**, S. S. Dasgupta, D. Sen and S. N. Chintalapudi, *Few-Body Systems* **19** (1995) 195-201.
- 6) “A Comparative Study on the Break-up of Deuterons by Alpha Particles” – **A. De**, S. S. Dasgupta and D. Sen, *Fizika* **B5**(1996)39-47.
- 7) “Nuclear orbiting and anomalies in nuclear reactions” – **A. De**, A. Mitra, A. Ray, S. R. Banerjee, M. Sengupta, A. Chatterjee, S. Kailas, H. S. Patel, M.G. Betigiri and S. K. Dutta, *Pramana-Journal of Physics*, **53** (1999) 549-552.
- 8) “Search for oscillations in evaporation α -particle spectra from hot compound nuclei” -- P. Das, A. Ray, S. R. Banerjee, S. Kailas, A. Chatterjee, S. K. Dutta, **A. De**, S. Saha and S. Roy, *Phys. Rev. C* **66** (2002) 044612.1-6.
- 9) “Observation of unexpected orbiting behavior for $^{16}\text{O} + ^{89}\text{Y}$ and $^{16}\text{O} + ^{93}\text{Nb}$ reactions” – A. Ray, P. Das, S. R. Banerjee, **A. De**, S. Kailas, A. Chatterjee, S. Santra, S. K. Dutta, S. Saha, and S. Roy, *Phys. Rev. C* **68** (2003) 051602(R) 1-5.
- 10) “LAMDA: Large Area Modular BaF₂ Detector Array for the measurement of high energy γ rays” – S. Mukhopadhyay, Srijit Bhattacharya, Deepak Pandit, A. Ray, Surajit Pal, K. Banerjee, S. Kundu, T. K. Rana, S. Bhattacharya, C. Bhattacharya, **A. De**, S. R. Banerjee, *Nucl. Instr. and Meth.* **A582**(2007)603-610.
- 11) “Giant dipole resonance width in nuclei near Sn at low temperature and high angular momentum” – Srijit Bhattacharya, S. Mukhopadhyay, Deepak Pandit, Surajit Pal, **A. De**, S. Bhattacharya, C. Bhattacharya, K. Banerjee, S. Kundu, T. K. Rana, A. Dey, G. Mukherjee, T. Ghosh, D. Gupta and S. R. Banerjee, *Phys. Rev. C* **77** (2008) 024318; 1-8.
- 12) “Observation of enhanced orbital electron-capture nuclear decay rate in compact medium” – A. Ray, P. Das, S. K. Saha, A. Goswami and **A. De**, *Phys. Lett. B* **679** (2009) 106-110.
- 13) “Coherent bremsstrahlung and GDR width from ^{252}Cf cold fission” – Deepak Pandit, S. Mukhopadhyay, Srijit Bhattacharya, Surajit Pal, **A. De**, S. R. Banerjee, *Phys. Lett. B* **690** (2010) 473-476.
- 14) “Extreme nuclear shapes examined via giant dipole resonance lineshapes in hot light-mass systems” – Deepak Pandit, S. Mukhopadhyay, Srijit Bhattacharya, Surajit Pal, **A. De**, S. Bhattacharya, C. Bhattacharya, K. Banerjee, S. Kundu, T. K. Rana, A. Dey, G. Mukherjee, T. Ghosh, D. Gupta and S. R. Banerjee, *Phys. Rev. C* **81** (2010) 061302(R); 1-5.
- 15) “A realistic technique for selection of angular momenta from hot nuclei: A case study with $^4\text{He} + ^{115}\text{In}$ α $^{119}\text{Sb}^*$ at $E_{\text{Lab}} = 35$ MeV” – Deepak Pandit, S. Mukhopadhyay, Srijit Bhattacharya, Surajit Pal, **A. De**, S. R. Banerjee, *Nucl. Instr. and Meth.* **A624**(2010)148-152.
- 16) “MATS and LaSpec: High-precision experiments using ion traps and lasers at FAIR”– D. Rodriguez, ..., **A. De**, ..., **A. Ray**, ... and F. Ziegler, *Eur. Phys. J. Special Topics* **183** (210) 1-123.



- 17) “Nuclear Temperatures from the evaporation fragment spectra and possible lifetime effect”– A. Ray, **A. De**, A. Chatterjee, S. Kailas and S. R. Banerjee, *Journal of Physics: Conference Series* **312** (2011) 082035, 01-06; doi:10.1088/1742-6596/312/8/082035; International Nuclear Physics Conference 2010 (INPC2010) IOP Publishing].
- 18) “Measurement of Giant Dipole Resonance width at low temperature: A new experimental perspective”– S. Mukhopadhyay, Deepak Pandit, Surajit Pal, Srijit Bhattacharya, **A. De**, S. Bhattacharya, C. Bhattacharya, K. Banerjee, S. Kundu, T. K. Rana, G. Mukherjee, R. Pandey, M. Gohil, H. Pai, J. K. Meena and S. R. Banerjee, *Phys. Lett. B* **709** (2012) 9 -13.
- 19) “Critical behavior in the variation of GDR width at low temperature”– Deepak Pandit, S. Mukhopadhyay, Surajit Pal, **A. De**, S. R. Banerjee, *Phys. Lett. B* **712** (2012) 434-438.
- 20) “Nuclear Temperatures From The Evaporation Fragment Spectra And Observed Anomalies”– **A. De**, A. Ray and K. Banerjee, *International Conference on Recent Trends in Nuclear Physics–2012; AIP Conf. Proc.* **1524**, 205-208 (2013); doi:10.1063/1.4801714; © 2013 AIP Publishing LLC 978-0-7354-1147-0.
- 21) “Giant dipole resonance width as a probe for nuclear deformation at finite excitation”– Deepak Pandit, Balam Dey, Debasish Mondal, S. Mukhopadhyay, Surajit Pal, Srijit Bhattacharya, **A. De** and S. R. Banerjee, *Phys. Rev. C* **87** (2013) 044325; 1-4.
- 22) “Nuclear temperatures from evaporation fragment spectra and observed anomalies”– A. Ray, **A. De**, A. Chatterjee, S. Kailas, S. R. Banerjee, K. Banerjee, and S. Saha, *Phys. Rev. C* **87** (2013) 064604; 1-15.
- 23) “Giant dipole resonance width as a probe for nuclear deformation at finite excitation”– Deepak Pandit, Balam Dey, Debasish Mondal, S. Mukhopadhyay, Surajit Pal, Srijit Bhattacharya, **A. De**, and S. R. Banerjee, *Phys. Rev. C* **87** (2013) 044325; 01-04.
- 24) “Neutron response of the LAMDA spectrometer and neutron interaction length in BaF₂”– Balam Dey, Debasish Mondal, Deepak Pandit, S. Mukhopadhyay, Surajit Pal, K. Banerjee, Srijit Bhattacharya, **A. De**, S. R. Banerjee, *Nucl. Instr. and Meth. A* **727**(2013)07–11.
- 25) “Nuclear Data Sheets for A = 215” – Balraj Singh, Gopal Mukherjee, Daniel Abriola, Swapan Kumar Basu, Paraskevi Demetriou, Ashok Jain, Suresh Kumar, Sukhjeet Singh, Jagdish Tuli, Edgardo Browne, Srijit Bhattacharya, Sudeb Bhattacharya, Shinjinee Dasgupta, **A. De**, R. Gowrishankar, Prasanthi Nilayam, Navneet Kaur, S. Lakshmi, Jeong-Yeon Lee, Bhoomika Maheshwari, Debasish Mondal, Aman Rohilla, K. Rojeeta Devi, K. Vijay Sai, *Nuclear Data Sheets* **114** (2013) 2023–2078.
- 26) “Giant dipole resonance width and the universality of a fluctuation model including critical temperature”– Deepak Pandit, Srijit Bhattacharya, Balam Dey, Debasish Mondal, S. Mukhopadhyay, Surajit Pal, **A. De**, and S. R. Banerjee, *Phys. Rev. C* **88** (2013) 054327; 01-06.
- 27) “Probing the critical behavior in the evolution of GDR width at very low temperatures in temperatures in A~100 mass region”– Balam Dey, Debasish Mondal, Deepak Pandita, S. Mukhopadhyaya, Surajit Pal, Srijit Bhattacharya, **A. De**, K. Banerjee, N. Dinh Dang, N. Quang Hung, S. R. Banerjee, *Phys. Lett. B* **731** (2014) 92–96.
- 28) “Nuclear temperatures from evaporation fragment spectra and observed anomalies”– A. Ray, **A. De**, A. Chatterjee, S. Kailas, S. R. Banerjee, K. Banerjee, S. Saha, *arXiv* (2013); 1306.3697 [Extended version].



- 29) "Examination of level density prescriptions for the interpretation of high-energy γ -ray spectra" – Srijit Bhattacharya, Deepak pandit, Balam Dey, Debasish Mondal, S. Mukhopadhyay, Surajit Pal, **A. De**, and S. R. Banerjee, *Phys. Rev. C* **90** (2014) 054319; 01-09.
- 30) "Quasifission timescale: Zeptosecond versus attosecond" – A. Ray, A. K. Sikdar and **A. De**, EPJ Web of Conferences 86(2015)00038; p.1-p.4; DOI: 10.1051/epjconf/20158600038.
- 31) "Experimental investigation on the temperature dependence of the nuclear level density parameter"- Balam Dey, Deepak Pandita, Srijit Bhattacharya, K.Banerjee, N.Quang Hung, N.Dinh Dang, Debasish Mondal, S.Mukhopadhyaya, Surajit Pal, **A.De**, S.R.Banerjee, *Phys. Rev. C* **91**(2015) 044326; 01-05.

Publications involving other subjects:

- 32) "Impact of Anthropogenic Activities on Drinking Water Quality: A Case Study in Raniganj Coalfield Area (W.B.)" – Chinmoy Chatterjee and **Alokkumar De**, *Nature Environment and Pollution Technology* **7** (2008) 451-459.
- 33) "Impact of Industrial Wastes on Fresh Water and its Zooplankton Diversity" - Alokkumar De, Chinmoy Chatterjee, Krishna Bardhan (Ghosh), Bidhan Chandra Mahatha and Saumendra Sankar Desarkar, *Being communicated*.

Publication(s) OF PAPER(S) in Book(s) involving other subjects:

- 01) "Status of Drinking Water Quality in Raniganj Coalfield Area of West Bengal in India" - **Alokkumar De**, Chinmoy Chatterjee, Krishna Bardhan (Ghosh), Saumendra Sankar Desarkar, Narayan Ray, Bidhan Chandra Mahatha, Manali Sengupta, Ansuman Ray, Suvra Dey, Avay Kumar Singh, Srijit Bhattacharya, Sudhee Ranjan Banerjee, Supriya Mukhopadhyay, Surajit Pal and Deepak Pandit, 2013, *Climate Change Effects on Agriculture and Economy*, Editors: D. R. Khanna, A. K. Chopra, Vikas Singh, Rakesh Bhutiani & Gagan Matta, **Published by Biotech Books, New Delhi, Chapter 14, Pages 113-134**.
- 02) "Bignaner aaloke Swami Vivekananda", Dr. Alokkumar De, Proc. UGC sponsored National Seminar on 'Baharupe Sannukhe Tumi: Vivekananda', held at Raniganj Girls' College during 12-13 February, 2014; pages: 413-436. A collection of essays; Published by Raniganj Girls' College. First published 2014. ISBN: 978-93-84-491-05-5.

List of Research Publications of Dr. Alokkumar De in Proceedings of National & International Conferences, Workshops, Seminars, Symposia:

- 1) "In Quest of Better Understanding of Time Compensated Liquid Scintillation Neutron Detectors" – **A. De**, S. Karmakar and S. S. Dasgupta, *Proc. Topical Meeting on Radiation Spectrometry, Sukhadia University, Udaipur, India; October 11-12, 1985; Pages: 19-22*.
- 2) "Rise-Time Compensation for a large Neutron Detector" – **A. De**, and S. S. Dasgupta, *Proc. Natl. Symp. Nucl. Phys.* **28B** (1985) 302-303 [University of Rajasthan, Jaipur, India; December 16-20, 1985].
- 3) "Time Dispersion in Large Organic Scintillation Neutron Detectors" – **A. De** and S. S. Dasgupta, *Proc. Natl. Symp. Nucl. Phys.* **29B** (1986) 291-292 [Andhra University, Waltair, India; December 27-31, 1986].
- 4) "Alpha-Deuteron elastic scattering around 40 MeV" – **A. De**, S. Karmakar, T. Roychoudhury, S. S. Dasgupta, S. N. Chintalapudi, S. R. Banerjee, M. Ismail and A. S. Divatia, *Proc. Natl. Symp. on Scattering Theory and its Applications, 2-4 December, 1987; Page-42 [IACS, Jadavpur, Calcutta, India; December 2-4, 1987]*.
- 5) "Alpha proton elastic scattering at 40 MeV" – S. Karmakar, **A. De**, A. Modak, T. Roychoudhury, S. S. Dasgupta, S. N. Chintalapudi, M. Ismail, S. R. Banerjee and A.S. Divatia, *Proc. Natl. Symp. on Scattering Theory and its Applications, 2-4 December, 1987; Page-42 [IACS, Jadavpur, Calcutta, India; December 2-4, 1987]*.



- 6) "Variation of Alpha-Deuteron Elastic Scattering Cross Section with Incident Energy" – A. De, S. Karmakar, T. Roychowdhury, S. S. Dasgupta, S. N. Chintalapudy, M. Ismail, S. R. Banerjee and A. S. Divatia, *Proc. Natl. Symp. Nucl. Phys.* **30B** (1987) 232-233 [BARC, Bombay, India; December 27-31, 1987].
- 7) "Alpha Induced Deuteron Break-up at 45 MeV" – S. S. Dasgupta, T. Roychowdhury, A. De, D. Sen, S. N. Chintalapudi, S. R. Banerjee and A. S. Divatia, *Proc. Few Body XII (12th International Conference on Few Body Problems in Phys.) Vancouver, B.C., Canada, July 2-8, 1989; Page: C21.*
- 8) "Three-Body Break-up and Final State Interaction" – A. De, S. S. Dasgupta and D. Sen, *Proc. Natl. Symp. Nucl. Phys.* **35B** (1992) 246-272 [BARC, Bombay, India; December 21-24, 1992].
- 9) " α -n Final State Interaction in α -d Break-up at 50 MeV" – S. Mandal, S.S. Dasgupta, A. De, P. Bhattacharya and C. C. Dey, *Proc. Natl. Symp. Nucl. Phys.* **35B** (1992) 164-165 [BARC, Bombay, India; December 21-24, 1992].
- 10) "Time Dispersion in Large Plastic Scintillation Neutron Detector" – A. De, S.S. Dasgupta and D. Sen, *Proc. Natl. Symp. on Advanced Instrumentation for Nuclear Research, January 27-29, 1993, Pages B31-B35 [Bombay, India].*
- 11) "Role of Two-Body FSIs in the Three-Body Break-up" – A. De, S. S. Dasgupta and D. Sen, *Proc. Natl. Symp. on Recent Trends in Nuclear Phys., March 15-18, 1993, Manonmaniam Sundarnar University, Tamil Nadu.*
- 12) " α -np FSI in the Break-up of Deuterons by Alpha Particles" – A. De, S. S. Dasgupta and D. Sen, *Proc. Natl. Symp. Nucl. Phys.* **37B** (1994) 233-234 [Utkal University, Bhubaneswar, India, December 26-30, 1994].
- 13) "Alpha-induced Break-up of Deuteron in Collinear Condition" – A. De, S.S. Dasgupta, D. Sen and S. N. Chintalapudi, *Proc. Int. Nucl. Phys. Symp. (INPS-95), BARC, Bombay, India; December 18-22, 1995, Page: B73.*
- 14) "Few-Body Aspects in the Break-up of Deuterons by Alpha Particles" – A. De, S. S. Dasgupta and D. Sen, *Proc. Natl. Symp. Nucl. Phys., G. B. Pant University of Agriculture & Technology, Pantnagar, India; December 20-24, 1996.*
- 15) "Nuclear Orbiting and Anomalies in Nuclear Reactions" – A. De, A. Mitra, A. Ray, S. R. Banerjee, M. Sengupta, A. Chatterjee, S. Kailas, H. S. Patel, M. G. Betigiri and S. K. Dutta, *Proc. International Workshop on Rare Nuclear Processes in Low Energy Heavy Ion Physics, Nov. 16-20, 1998, Nuclear Science Centre, New Delhi, India, Page-48.*
- 16) "Nuclear orbiting in A = 40 and A = 100 mass regions" – A. Ray, A. Mitra, A. De, S. R. Banerjee, M. Sengupta, A. Chatterjee, S. Kailas, H. S. Patel, M. G. Betigiri and S. K. Dutta, *Proc. 7th Int. Conf. on Clustering Aspects of Nuclear Structure and Dynamics, June 14-19, 1999, Rab, Island of Rab, Croatia, Zagreb, Page: 46-47.*
- 17) "Inelastic Nuclear Orbiting in Different Mass Regions and its Connections with Nuclear Structure" – A. Ray, A. Mitra, S. R. Banerjee, M. Sengupta, A. De, A. Chatterjee, S. Kailas, H. S. Patel, M. G. Betigiri and S. K. Dutta, *Proc. 7th Int. Conf. on Clustering Aspects of Nuclear Structure and Dynamics, June 14-19, 1999, Rab, Island of Rab, Croatia, Zagreb. Printed by World Scientific; Edited by M. Korolija, Z. Basrak and R. Capler; Pages: 171-176.*
- 18) "Observation of increasing fusion hindrance at higher exit channel excitation energy: possible formation of neutron rich neck region" – A. Ray, P. Das, S. R. Banerjee, S. Kailas, A. Chatterjee, S. K. Dutta and A. De, *Proc. International nuclear Physics Conference (INPC 2001) on Nuclear Physics in the 21st Century, July 30 – August 03, 2001, University of California, Berkeley, USA; Pages: 337-338.*



- 19) “Orbiting in $^{16}\text{O} + ^{93}\text{Nb}$ reaction” – A. Ray, P. Das, S. R. Banerjee, S. Santra, S. Kailas, **A. De**, S. Saha and S. Roy, *Proc. Natl. Symp. Nucl. Phys. (DAE-BRNS)* **46B** (2003) 250-251 [BARC, Mumbai, India; December 8-12, 2003].
- 20) “Existence of α particles as independent particles inside a compound nucleus” – A. Ray, P. Das, S. R. Banerjee, **A. De**, S. Santra, S. K. Dutta, S. Saha and S. Roy, *Proc. Natl. Symp. Nucl. Phys. (DAE-BRNS)* **46B** (2003) 248-249 [BARC, Mumbai, India; December 8-12, 2003].
- 21) “Formation of orbiting complex for $^{16}\text{O} + ^{89}\text{Y}$ and $^{16}\text{O} + ^{93}\text{Nb}$ nuclear systems” – A. Ray, P. Das, S. R. Banerjee, **A. De**, S. Kailas, A. Chatterjee, S. Santra, S. K. Dutta, S. Saha and S. Roy, *Book of Abstracts, International Nuclear Physics Conference (Inpc 2004)*, June 27 – July 2, 2004, Göteborg, Sweden; Page: P92.
- 22) “Temperature and Coulomb barrier of an orbiting complex” – **A. De**, A. Ray, P. Das, S. R. Banerjee, S. Kailas, A. Chatterjee, S. Saha and S. Roy, *Proc. Natl. Symp. Nucl. Phys. (DAE-BRNS)* **50** (2005) 360; {Golden Jubilee Volume} [BARC, Mumbai, India; December 12-16, 2005].
- 23) “Search for few-body aspects in the break-up of deuterons by α -particles around 40 MeV” – **A. De**, S. R. Banerjee, S. Mukhopadhyay and Srijit Bhattacharya, *Proc. Int. Conf. Nucleus-Nucleus Collisions (NN2006)*, August 28 – September 01, 2006; Rio de Janeiro, Brazil; Page-96.
- 24) “Unexpected width of α n FSI spectra in the α -induced break-up of deuterons around 40 MeV” – **A. De**, S. R. Banerjee, S. Mukhopadhyay and Srijit Bhattacharya, *Proc. Natl. Symp. Nucl. Phys. (DAE-BRNS)* **51**(2006)369-370; [The Maharaja Sayajirao University of Baroda, Vadodara, India; 11-15 December, 2006].
- 25) “Temperature Dependence of GDR Width in near-Sn Nucleus” – Srijit Bhattacharya, S. Mukhopadhyay, Deepak Pandit, Surajit Pal, **A. De**, G. Mukherjee, T. Ghosh, A. Ray and S. R. Banerjee, *Proc. International Nuclear Physics Conference: INPC-2007; Tokyo International Forum, Tokyo, Japan, June 3-8, 2007; Page: F5-6; <http://www.inpc2007.jp/>. [Full paper: in Press].*
- 26) “Signature of Very Large Deformation in ^{32}S Nucleus via GDR splitting”—S. R. Banerjee, S. Bhattacharya, C. Bhattacharya, Srijit Bhattacharya, S. Mukhopadhyay, Deepak Pandit, Surajit Pal, **A. De**, K. Banerjee, S. Kundu, T. K. Rana, A. Dey, D. Gupta, G. Mukherjee, T. Ghosh, *Proc. International Nuclear Physics Conference: INPC-2007; Tokyo International Forum, Tokyo, Japan, June 3-8, 2007; Page: QW-031; <http://www.inpc2007.jp/>.*
- 27) “First experimental observation of change of half-life of ^{110}Sn and ^{109}In implanted in Au and Pb” – P. Das, A. Ray, A. De, S. K. Saha, A. Goswami, *Proc. International Nuclear Physics Conference: INPC-2007; Tokyo International Forum, Tokyo, Japan, June 3-8, 2007; Page: QT-232; <http://www.inpc2007.jp/>.*
- 28) “Study of α -induced break-up of deuterons at 50 MeV in and around the region of an FSI” – **A. De**, S. R. Banerjee, S. Mukhopadhyay, Srijit Bhattacharya, Surajit Pal and Deepak Pandit, *Proc. DAE-BRNS National Symp. on Nucl. Phys.*, **52**(2007)411-412; [Sambalpur University, Burla, Orissa – 768019, India; December 11-15, 2007].
- 29) “The effect of temperature and angular momentum on GDR Width in near-Sn Nucleus” – Srijit Bhattacharya, S. Mukhopadhyay, Deepak Pandit, Surajit Pal, **A. De**, G. Mukherjee, T. Ghosh, A. Ray and S. R. Banerjee, *Proc. DAE-BRNS National Symp. on Nucl. Phys.*, **52**(2007)270-271; [Sambalpur University, Burla, Orissa – 768019, India; December 11-15, 2007].
- 30) “Shape Transition in Light Mass CN-Systems using Hot GDR Decay as a probe” – S. R. Banerjee, Srijit Bhattacharya, S. Mukhopadhyay, Deepak Pandit, Surajit Pal, **A. De**, S. Bhattacharya, C. Bhattacharya, K. Banerjee, S. Kundu, T. K. Rana, A. Dey, D. Gupta, G. Mukherjee and T. Ghosh, *Proc. DAE-BRNS*



National Symp. on Nucl. Phys., **52**(2007)209-210; [Sambalpur University, Burla, Orissa – 768019, India; December 11-15, 2007].

- 31) “In-Beam Performance of BaF₂ Gamma Multiplicity Filter at VECC” – Deepak Pandit, Srijit Bhattacharya, S. Mukhopadhyay, Surajit Pal, **A. De**, S. R. Banerjee, *Proc. DAE-BRNS National Symp. on Nucl. Phys.*, **52**(2007)589-590; [Sambalpur University, Burla, Orissa – 768019, India; December 11-15, 2007].
- 32) “The high energy gamma ray spectrometer at VECC” – S. Mukhopadhyay, Srijit Bhattacharya, Deepak Pandit, Surajit Pal, **A. De**, K. Banerjee, S. Kundu, T. K. Rana, C. Bhattacharya, S. Bhattacharya, A. Ray and S. R. Banerjee, *Proc. DAE-BRNS National Symp. on Nucl. Phys.*, **52**(2007)156-161; [Sambalpur University, Burla, Orissa – 768019, India; December 11-15, 2007].
- 33) “Search for three-body force effects in few-body reactions” - **A. De**, S. R. Banerjee, S. Mukhopadhyay, Srijit Bhattacharya, Surajit Pal and Deepak Pandit, *Proc. DAE-BRNS National Symp. on Nucl. Phys.*, **53**(2008)401-402; [IIT, Roorkee; December 22-26, 2008].
- 34) “Signature of Jacobi Shape Transition & Coriolis Splitting in GDR Lineshape for ⁴⁷V” – Deepak Pandit, S. Mukhopadhyay, Srijit Bhattacharya, Surajit Pal, **A. De**, S. Bhattacharya, C. Bhattacharya, K. Banerjee, S. Kundu, T. K. Rana, A. Dey, D. Gupta, G. Mukherjee, T. Ghosh, and S. R. Banerjee, *Proc. DAE-BRNS National Symp. on Nucl. Phys.*, **53**(2008)267-268; [IIT, Roorkee; December 22-26, 2008].
- 35) “Very large deformation in hot ³²S nucleus using GDR as a probe” - Deepak Pandit, S. Mukhopadhyay, Srijit Bhattacharya, Surajit Pal, **A. De**, S. Bhattacharya, C. Bhattacharya, K. Banerjee, S. Kundu, T. K. Rana, A. Dey, D. Gupta, G. Mukherjee, T. Ghosh, and S. R. Banerjee, *Proc. DAE-BRNS National Symp. on Nucl. Phys.*, **53**(2008)269-270; [IIT, Roorkee; December 22-26, 2008].
- 36) “Change of electron capture decay rate due to compression” - A. Ray, P. Das, S. K. Saha, A. Goswami, **A. De**, *Proc. DAE-BRNS National Symp. on Nucl. Phys.*, **53**(2008)645-646; [IIT, Roorkee; December 22-26, 2008].
- 37) “Facility for the Measurement of High-energy Photons – Present & Future” – S. Mukhopadhyay, Deepak Pandit, Srijit Bhattacharya, Surajit Pal, **A. De**, A. Ray, K. Banerjee, S. Kundu, T. K. Rana, G. Mukherjee, T. K. Ghosh, A. Dey, D. Gupta, C. Bhattacharya, S. Bhattacharya, and S. R. Banerjee, *Proc. DAE-BRNS Workshop on Cyclotrons: Rising Expectations and Mounting Challenges; Page: 137-143 [Variable Energy Cyclotron Centre (Department of Atomic Energy), Kolkata, India; June 25-26, 2008].*
- 38) “Study of α -n final state interaction and search for three-body force effects in the break-up of deuterons by α -particles of 50 MeV” – **A. De**, S. R. Banerjee, S. Mukhopadhyay, Srijit Bhattacharya, Surajit Pal and Deepak Pandit, *Accepted for publication in Proc., 19th Int. IUPAP Conference on Few-Body Problems in Physics [Few-Body 19 (FB19)], held at Bonn University, Germany from August 31 to September 5, 2009.*
- 39) “Change of electron capture decay rate in a compact medium” – P. Das, A. Ray, S. K. Saha, A. Goswami and **A. De**, *Proc. APSORC '09, 4th Asia-Pacific Symposium on Radiochemistry '09, November 29 to December 04, 2009; Napa Valley, California, USA., Book of Abstracts; PO-2-5-2, 18994, Page-258.*
- 40) “Study of few-body aspects of nuclear reactions in the break-up of deuterons by alpha-particles of 29.2 MeV” - **A. De**, S. R. Banerjee, S. Mukhopadhyay, Srijit Bhattacharya, Surajit Pal and Deepak Pandit, *Proc. Int. Symp. on Nucl. Phys.*, **54**(2009)408-409; [BARC, Mumbai, India; December 08-12, 2009].
- 41) “Measurement of Nuclear Temperature from Different Fragment Spectra” - **A. De**, A. Ray, S. R. Banerjee, S. Kailas and A. Chatterjee, *Proc. Int. Symp. on Nucl. Phys.*, **54**(2009)406-407; [BARC, Mumbai, India; December 08-12, 2009].
- 42) “The study of deformation of hot ¹¹³Sb at high spin from TSFM and Kusnezov parameterization” - Srijit Bhattacharya, Deepak Pandit, S. Mukhopadhyay, Surajit Pal, **A. De**, and S. R. Banerjee, *Proc. Int. Symp. on Nucl. Phys.*, **54**(2009)188-189; [BARC, Mumbai, India; December 08-12, 2009].



- 43) “Nucleus-Nucleus coherent bremsstrahlung in ^{252}Cf spontaneous fission” - Deepak Pandit, S. Mukhopadhyay, Surajit Pal, Srijit Bhattacharya, **A. De**, T. K. Rana, K. Banerjee, J. K. Meena and S. R. Banerjee, *Proc. Int. Symp. on Nucl. Phys.*, **54**(2009)360-361; [BARC, Mumbai, India; December 08-12, 2009].
- 44) “Testing of Gamma Multiplicity Filter Array at VECC with ^{252}Cf fission source” - Deepak Pandit, S. Mukhopadhyay, Surajit Pal, Srijit Bhattacharya, **A. De**, S. R. Banerjee, *Proc. Int. Symp. on Nucl. Phys.*, **54**(2009)642-643; [BARC, Mumbai, India; December 08-12, 2009].
- 45) “Few-Body Nuclear Reactions at Low and Intermediate Energies” - **A. De**, S. R. Banerjee, S. Mukhopadhyay, Srijit Bhattacharya, Surajit Pal and Deepak Pandit, *Book of Abstracts, Natl. Seminar on Nuclear Physics Research in India: Facilities & Perspectives (NUPRIFP-2010)*, page-13; [Raniganj Girls' College, Raniganj, Burdwan, W.B., India; February 25-26, 2010].
- 46) “Determination of nuclear temperature from evaporation fragment spectra and anomalies” - **A. De**, A. Ray, S. R. Banerjee, *Book of Abstracts, Natl. Seminar on Nuclear Physics Research in India: Facilities & Perspectives (NUPRIFP-2010)*, page-18; [Raniganj Girls' College, Raniganj, Burdwan, W.B., India; February 25-26, 2010].
- 47) “Understanding of the nuclear structure through GDR” - Srijit Bhattacharya, S. Mukhopadhyay, Deepak Pandit, Surajit Pal, **A. De** and S. R. Banerjee, *Book of Abstracts, Natl. Seminar on Nuclear Physics Research in India: Facilities & Perspectives (NUPRIFP-2010)*, page-14; [Raniganj Girls' College, Raniganj, Burdwan, W.B., India; February 25-26, 2010].
- 48) “Bremsstrahlung photons from spontaneous fission of ^{252}Cf ” - Deepak Pandit, S. Mukhopadhyay, Surajit Pal, Srijit Bhattacharya, **A. De** and S. R. Banerjee, *Book of Abstracts, Natl. Seminar on Nuclear Physics Research in India: Facilities & Perspectives (NUPRIFP-2010)*, page-15; [Raniganj Girls' College, Raniganj, Burdwan, W.B., India; February 25-26, 2010].
- 49) “Does radioactive decay rate change in different environments?” – A. Ray, P. Das and **A. De**, *Book of Abstracts, Natl. Seminar on Nuclear Physics Research in India: Facilities & Perspectives (NUPRIFP-2010)*, page-3; [Raniganj Girls' College, Raniganj, Burdwan, W.B., India; February 25-26, 2010].
- 50) “The Understanding of Basic Nuclear Structure, the Structural Transition and the Evolution of Damped Motion inside Nuclear Matter in a Hot and Rotating Nucleus” – Srijit Bhattacharya, Deepak Pandit, S. Mukhopadhyay, S. Pal, **A. De** and S. R. Banerjee, *Proc. 17th West Bengal State Science & Technology Congress, Page-83*; [West Bengal University of Animal and Fishery Sciences, Kolkata, India; 4th-5th March, 2010].
- 51) “Nuclear temperatures from the evaporation fragment spectra and possible lifetime effect” – Amlan Ray, **Alokkumar De**, Ambar Chatterjee, S. Kailas, S. R. Banerjee, *Int. Nucl. Phys. Conf. 2010 (INPC2010)*; 04-09 July 2010; Vancouver, BC, Canada. [Accepted for oral presentation].
- 52) “Development of VECC Cryogenic Penning Ion Trap and Some Planned Experiments” – P. Das, S. K. Das, R. Guin, M. Ahammed, A. Dattagupta, Subrata Saha, J. Chaudhuri, A. Goswami, H. P. Sharma, Anirban De, S. Saha, P. Y. Nabhiraj, R. Menon, **A. De**, A. Ray, *Proc. Theme Meeting on Nucleus Nucleus Collisions Around Fermi Energy (NNCAFE – 2010)*, December 16-17, 2010, VECC, Kolkata; Page No.-18.
- 53) “An Investigation into three-body break-up of the alpha-deuteron system at low energies” - **A. De**, S. R. Banerjee, S. Mukhopadhyay, Srijit Bhattacharya, Surajit Pal and Deepak Pandit, *Proc. DAE National Symp. on Nucl. Phys.*, **55**(2010)328-329; [Birla Institute of Technology & Science, Pilani-333031; December 20-24, 2010].



- 54) "Temperature from fragment spectra and possible lifetime effect" - **A. De** and A. Ray, *Proc. DAE National Symp. on Nucl. Phys.*,**55**(2010)330-331; [Birla Institute of Technology & Science, Pilani-333031; December 20-24, 2010].
- 55) "Measurement of Giant Dipole Resonance width at very low temperature in near-Sn nuclei" – S.. Mukhopadhyay, Deepak Pandit, Surajit Pal, **A. De**, Srijit Bhattacharya and S. R. Banerjee, *Proc. DAE National Symp. on Nucl. Phys.*,**55**(2010)238-239; [Birla Institute of Technology & Science, Pilani-333031; December 20-24, 2010].
- 56) "VECC Cryogenic Penning Ion Trap Status and Simulation Results" – P. Das, M. Ahammed, Subrata Saha, A. Dattagupta, J. Chaudhuri, S. K. Das, R. Guin, A. Choudhury, A. Goswami, H. P. Sharma, Anirban De, S. Saha, P. Y. Nabhiraj, R. Menon, **A. De**, A. Ray, *Proc. DAE National Symp. on Nucl. Phys.*,**55**(2010)772-773; [Birla Institute of Technology & Science, Pilani-333031; December 20-24, 2010].
- 57) "Development of VECC Cryogenic Penning Ion Trap and Some Planned Experiments" –P. Das, S. K. Das, R. Guin, M. Ahammed, A. Datta Gupta, Subrata Saha, J. Chaudhuri, A. Goswami, H. P. Sharma, Anirban De, S. Saha, P. Y. Nabhiraj, R. Menon, **A. De**, A. Ray, *Proc. Theme Meeting on Nucleus Nucleus Collisions Around Fermi Energy (NNCAFE – 2010)*, Page-18 [Variable Energy Cyclotron Centre, Kolkata, India; December 16-17, 2010].
- 58) "Nuclear temperatures from the evaporation fragment spectra and possible hint of non exponential decay" – A. Ray, **A. De**, A. Chatterjee, S. Kailas, S. R. Banerjee, S. Saha, *International Conference, communicated*.
- 59) "GDR width at very low temperature – a new experimental perspective" – S.. Mukhopadhyay, Deepak Pandit, Surajit Pal, Srijit Bhattacharya, **A. De**, S. R. Banerjee, *Communicated to "Rutherford Centenary Conference", Manchester University, U.K.*
- 60) "Search for Three-Body Force Effects in Few-Body Nuclear Reactions" and "Study of nuclear temperature and reaction mechanism from different fragment spectra" –**A. De**, Proceedings of *National Workshop on Nuclear Physics using ion beams from cyclotrons at VECC, organized by UGC-DAE Consortium for Scientific Research, Kolkata Centre and Variable Energy Cyclotron Centre, Kolkata, W.B., India, Vide Internet.....*
- 61) " 'Unexpected' nuclear temperature from ${}^6\text{Li}$ fragment spectra in heavy ion nuclear reactions" –**A. De**, A. Ray, S. R. Banerjee, S. Saha, *Proc. DAE National Symp. On Nucl. Phys.*, **56**(2011)572-573; [Department of Nuclear Physics, Andhra University, Visakhapatnam, A. P., India – 530003; December 26-30, 2011].
- 62) "Giant Dipole Resonance width at very low temperature in near-Pb nuclei" – Deepak Pandit, S. Mukhopadhyay, Surajit Pal, **A. De** and S. R. Banerjee; *Proc. DAE National Symp. on Nucl. Phys.*, **56**(2011)196-197; [Department of Nuclear Physics, Andhra University, Visakhapatnam, A. P., India – 530003; December 26-30, 2011].
- 63) "The evolution of Giant Dipole Resonance width at low temperature in ${}^{63}\text{Cu}$ using alpha induced fusion reaction" – Deepak Pandit, S. Mukhopadhyay, Surajit Pal, **A. De**, Srijit Bhattacharya and S. R. Banerjee; *Proc. DAE National Symp. on Nucl. Phys.*, **56**(2011)268-269; [Department of Nuclear Physics, Andhra University, Visakhapatnam, A. P., India – 530003; December 26-30, 2011].
- 64) "Giant Dipole Resonance width at very low temperature in ${}^{119}\text{Sb}$ " – S. Mukhopadhyay, Deepak Pandit, Surajit Pal, **A. De**, Srijit Bhattacharya and S. R. Banerjee; *Proc. DAE National Symp. on Nucl. Phys.*, **56**(2011)270-271; [Department of Nuclear Physics, Andhra University, Visakhapatnam, A. P., India – 530003; December 26-30, 2011].
- 65) "Development of VECC Cryogenic Penning Ion Trap: A Report" – P. Das, A. K. Sikdar, A. Reza, Subrata Saha, A. Datta Gupta, S. K. Das, R. Guin, S. Murali, A. Choudhury, A. Goswami, H. P. Sharma, **A. De**, A. Ray, *Proc. DAE National Symp. on Nucl. Phys.*, **56**(2011)1082-1083; [Department of Nuclear Physics, Andhra University, Visakhapatnam, A. P., India – 530003; December 26-30, 2011].



- 66) “ Search for Few-Body Nuclear Interaction: Why and How – an Introduction” – **A. De**, *Book of Abstracts, Natl. Seminar on Opportunities in Nuclear Physics Research in India (ONPRI-2012)*, page-19; [Raniganj Girls' College, Raniganj, Burdwan, W.B., India; March 13-15, 2012].
- 67) “ Nuclear temperatures from the evaporation fragment spectra and observed anomalies” – **A. De**, A. Ray and K. Banerjee, *Book of Abstracts, Int. conf. on Recent Trends in Nuclear Physics: ICRTNP – 2012*[Organized by department of Applied Sciences, Chitkara University (H.P.), India; November 19-21, 2012].
- 68) “Evidence of nuclear temperature anomaly in the mass region $A \approx 100$ ” – **A. De**, A. Ray, S. R. Banerjee and S. Saha; *Proc.DAE National Symp. on Nucl. Phys.*, 57(2012)410-411; [Department of Physics and Astrophysics, University of Delhi, New Delhi - 110007; December 03-07, 2012; <http://www.sympnp.org/snp2012>].
- 69) “The effect of GDR - GQR couplings on the GDR width at low temperature ” – Deepak Pandit, S. Mukhopadhyay, Surajit Pal, **A. De** and S. R. Banerjee; *Proc.DAE National Symp. on Nucl. Phys.*, 57(2012)188-189; [Department of Physics and Astrophysics, University of Delhi, New Delhi - 110007; December 03-07, 2012; <http://www.sympnp.org/snp2012>].
- 70) “VECC Cryogenic Penning Ion Trap: A status report” – P. Das, A. K. Sikdar, A. Reza, Subrata Saha, A. Dutta Gupta, S. K. Das, R. Guin, S. Murali, A. Goswami, H. P. Sharma, **A. De**, K. Banerjee, B. Dam, A. Ray; *Proc.DAE National Symp. on Nucl. Phys.*, 57(2012)876-877; [Department of Physics and Astrophysics, University of Delhi, New Delhi - 110007; December 03-07, 2012].
- 71) “Study on few-body aspects of nuclear reactions in the alpha-induced break-up of deuterons at low energy” – **A. De**, Debakinandan Majee, Sushovan Paul, S. R. Banerjee, S. Mukhopadhyay, Deepak Pandit, Surajit Paul, Balaram Dey, Debasish Mondal and Srijit Bhattacharya; *Proc.DAE International Symp. on Nucl. Phys.*, 58(2013)540-541; [BARC, Mumbai, India; December 02-06, 2013].
- 72) “Determination of the nuclear deformation via the giant dipole resonance width at finite temperature” – Deepak Pandit, Balaram Dey, Debasish Mondal, S. Mukhopadhyay, Surajit Paul, Srijit Bhattacharya, **A. De**, and S. R. Banerjee; *Proc.DAE International Symp. on Nucl. Phys.*, 58(2013)50-51; [BARC, Mumbai, India; December 02-06, 2013].
- 73) “Isospin symmetry breaking at high excitation via isovector giant dipole resonance decay in ^{32}S ” – Debasish Mondal, Deepak Pandit, Balaram Dey, S. Mukhopadhyay, Surajit Paul, **A. De**, Srijit Bhattacharya and S. R. Banerjee; *Proc.DAE International Symp. on Nucl. Phys.*, 58(2013)52-53; [BARC, Mumbai, India; December 02-06, 2013].
- 74) “Verification of the critical behavior of the Giant Dipole Resonance width in $A \approx 100$ mass region” – Balaram Dey, Debasish Mondal, Deepak Pandit, S. Mukhopadhyay, Surajit Paul, **A. De**, Srijit Bhattacharya and S. R. Banerjee; *Proc.DAE International Symp. on Nucl. Phys.*, 58(2013)54-55; [BARC, Mumbai, India; December 02-06, 2013].
- 75) “Quasi-fission and fission timescale: Zeptosecond versus attosecond” – A. Ray, A. K. Sikdar, **A. De**; *Proc.DAE International Symp. on Nucl. Phys.*, 58(2013)394-395; [BARC, Mumbai, India; December 02-06, 2013].
- 76) “Anomalously high nuclear temperature from evaporation fragments – a conjecture” –**A. De** and A. Ray; *Proc.DAE International Symp. on Nucl. Phys.*, 58(2013)426-427; [BARC, Mumbai, India; December 02-06, 2013].
- 77) “Quasifission and fission timescale: Zeptosecond versus attosecond” – A. Ray, A. K. Sikdar and **A.De**; *Book of Abstracts, International Conference on Fusion14, ; (2014)70. Inter University Accelerator Centre, New Delhi.*



- 78) "Measurement of fission lifetime of ^{242}Pu at $E_x \approx 55$ MeV" – A. Ray, A. K. Sikdar, B. Dey, S. Mukhopadhyay, S. Bhattacharya, **A. De**, S. Paul, A. Bisoi, M. Saha Sarkar; *Proc. Conf. on 75-years of Nuclear Fission: Present Status and Future Perspectives, fission 75@sympnp.org*, Bhabha Atomic Research Centre, Mumbai May 08-10, (2014).
- 79) "An investigation on off-shell behavior of nuclear reaction in the alpha-induced break-up of deuterons at low energies" – **A. De**, Sushovan Paul, Debakinandan Majee, S. R. Banerjee, Surajit Paul, S. Mukhopadhyay, Deepak Pandit, Balam Dey, Debasish Mondal, and Srijit Bhattacharya; *Proc. DAE National Symp. on Nucl. Phys.*, **59**(2014)376-377; [Banaras Hindu University, Varanasi-221005, U.P., India; December 08-12, 2014].
- 80) "Indication of long fission lifetime of ^{242}Pu at $E_x \approx 55$ MeV" – A. Ray, A. K. Sikdar, B. Dey, D. Pandit, S. Bhattacharya, **A. De**, S. Paul, Srijit Bhattacharya, A. Bisoi; *Proc. DAE National Symp. on Nucl. Phys.*, **59**(2014)486-487; [Banaras Hindu University, Varanasi-221005, U.P., India; December 08-12, 2014].
- 81) "The decay of high energy GDR γ -rays from ^{32}S nucleus" – Deepak Pandit, Debasish Mondal, Balam Dey, Srijit Bhattacharya, S. Mukhopadhyay, Surajit Paul, **A. De** and S. R. Banerjee; *Proc. DAE National Symp. on Nucl. Phys.*, **59**(2014)64-65; [Banaras Hindu University, Varanasi-221005, U.P., India; December 08-12, 2014].
- 82) "Experimental investigation on temperature dependence of nuclear level density parameter" – Balam Dey, Deepak Pandit, Srijit Bhattacharya, Debasish Mondal, S. Mukhopadhyay, Surajit Paul, **A. De**, K. Banerjee and S. R. Banerjee; *Proc. DAE National Symp. on Nucl. Phys.*, **59**(2014)76-77; [Banaras Hindu University, Varanasi-221005, U.P., India; December 08-12, 2014].
- 83) "The effect of level density prescriptions on the understanding of high energy γ -ray spectra" – Srijit Bhattacharya, Deepak Pandit, Balam Dey, Debasish Mondal, S. Mukhopadhyay, Surajit Paul, **A. De** and S. R. Banerjee; *Proc. DAE National Symp. on Nucl. Phys.*, **59**(2014)178-179; [Banaras Hindu University, Varanasi-221005, U.P., India; December 08-12, 2014].

Publications involving other subjects:

Multidisciplinary:

- 84) "Nuclear Science and More in India" - **A. De**, *Proc. Two Day National Seminar, 2009, on Development of Science & Industry in Modern India, under the auspices of The Department of History, Raniganj Girls' College, Raniganj, Bardhaman, W.B., India on the occasion of the Ninth Annual Conference of Bharat Vidya Charcha Kendra; sponsored by the Department of Higher Education, Government of West Bengal, Dated: 20-21.02.2009.*
- 85) "Bijnaner aaloke Rabindranath Thakur" - **A. De**, *Proc. UGC sponsored National Seminar on 'Simar Majhe Asim Tumi: Rabindranath', organized by Departments of Bengali and History, Raniganj Girls' College, Raniganj in collaboration with Nikhil Banga Sahitya Sammelan, Raniganj Branch & Bengal EMTA Coal Mines Ltd, Asansol, W.B., India, 07-08.09.2011; Page-54.*
- 86) "Bijnaner aaloke Swami Vivekananda" – Dr. **Alokkumar De**, *Proc. UGC Sponsored National Level Seminar "Bahurupe Sammukhe Tumi: Vivekananda" , organized by Raniganj Girls' College, Raniganj, Burdwan (W.B.) in collaboration with Ramkrishna Mission, Asansol, W.B., India, 12-13.02.2014; Page-20.*

Publications involving Environmental Science:

- 87) "A Study on Drinking Water Quality of Raniganj Coalfield Area" - **A. De**, C. Chatterjee, K. Bardhan (Ghosh), S. S. De Sarkar, N. Ray, B. C. Mahatha, M. Sengupta, A. K. Singh, S. Bhattacharya, S. R. Banerjee, S. Mukhopadhyay, S. Pal, D. Pandit, *Proc. 17th West Bengal State Science & Technology Congress, Page-302 [West Bengal University of Animal and Fishery Sciences, Kolkata, India; 4th-5th March, 2010].*



- 88) "Microbial Contamination of Drinking Water in Raniganj Coalfield Area—A Comparative Experimental Study" - **A. De**, C. Chatterjee, K. Bardhan (Ghosh), S. S. Desarkar, N. Ray, B. C. Mahatha, M. Sengupta, A. Ray, Suvra Dey, A. K. Singh, Srijit Bhattacharya, S. R. Banerjee, S. Mukhopadhyay, Surajit Pal, Deepak Pandit, *Proc.18th West Bengal State Science & Technology Congress, Page-307-308 [Ramkrishna Mission Residential College (Autonomous), Narendrapur , Kolkata, W.B., India; 28thFeb.-1st March, 2011].*
- 89) "In Search for Industrial Effects on Drinking Water Quality at and Around Baktarnagar in Raniganj Coalfield Area" - **A. De**, C. Chatterjee, K. Bardhan (Ghosh), B. C. Mahatha, S. S. Desarkar, N. Ray, M. Sengupta, A. Ray, Suvra Dey, A. K. Singh, Srijit Bhattacharya, S. R. Banerjee, S. Mukhopadhyay, Surajit Pal, Deepak Pandit, *Proc.18th West Bengal State Science & Technology Congress, Page-309-310 [Ramkrishna Mission Residential College (Autonomous), Narendrapur , Kolkata, W.B., India; 28thFeb.-1st March, 2011].*
- 90) "Status of Drinking Water Quality in Raniganj Coalfield Area of West Bengal in India" - **Alokkumar De**, Chinmoy Chatterjee, Krishna Bardhan (Ghosh), Saumendra Sankar Desarkar, Narayan Ray, Bidhan Chandra Mahatha, Manali Sengupta, Ansuman Ray, Suvra Dey, Avay Kumar Singh, Srijit Bhattacharya, Sudhee Ranjan Banerjee, Supriya Mukhopadhyay, Surajit Pal, Deepak Pandit, *Proc.1st World Congress for Man and Nature: "Global Climate Change & Biodiversity Conservation" Page-30 [Department of Zoology & Environmental Science, Gurukul Kangri Vishwavidyalaya, Haridwar (U.K.), India; 11-13.11. 2011].*
- 91) "Impact of Industrial Wastes on Fresh Water and its Zooplankton Diversity" - **Alokkumar De**, Chinmoy Chatterjee, Krishna Bardhan (Ghosh), Bidhan Chandra Mahatha and Saumendra Sankar Desarkar, *Proc.4th International Conference on Climate Change & Sustainable Management of Natural Resources Page-148-149 [ITM University, Gwalior, M. P., India; 12-14.02.2014].*

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Publications in journals

Sl. No.	Title with page no.	Journal	Institute/ Publisher	International/ National/ State/ Regional/ College or University level	Vol & Year	Page No.	ISSN
1.	Generating chaos from a system of two stable first order conventional digital phase locked loops	<i>International Journal on Recent Trends in Engineering and Technology</i>	ACEEE	International	7(2), Mar 2012	82-87	2158-5563
2.	Nonlinear dynamics of a class of symmetric lock range DPLLs with an additional derivative control	<i>Signal Processing</i>	Elsevier	International	93 , 2014	631-641	0165-1684
3.	Control of bifurcation and chaos in a class of Digital Tanlock Loops with modified loop structure	<i>International Journal of Bifurcation and Chaos</i>	World Scientific	International	24(4),2014	1430014-1 to 1430014-10	0218-1274
4.	Nonlinear dynamics of a class of digital tanlock loops with non-ideal phase detector	<i>Signal Processing</i>	Elsevier	International	104, 2014	311-318	0165-1684



Publication of chapters in books

Sl. No.	Title of the Chapter	Authors	Name of the Book	Year/ Pages	Publisher	ISBN
01.	Status of Drinking Water Quality in Raniganj Coalfield Area of West Bengal in India.	Alokkumar De, Chinmoy Chatterjee, Krishna Bardhan (Ghosh), Saumendra Sankar Desarkar , Narayan Ray, Bidhan Chandra Mahatha, Manali Sengupta, Ansuman Ray, Suvra Dey, Avay Kumar Singh, Srijit Bhattacharya, Sudhee Ranjan Banerjee, Supriya Mukhopadhyay, Surajit Pal and Deepak Pandit.	Climate Change Effects on Agriculture and Economy, Editors: D. R. Khanna, A. K. Chopra, Vikas Singh, Rakesh Bhutiani & Gagan Matta.	(2013) Chapter 14 Pages: 113-134.	Bio-tech Books, New Delhi.	9788176222785.

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List of Research Publications in National & International Journals

S.N.	Title of the paper	Author(s)	Name of the journal	Vol. (Year) pages	Natl/ Intl
01	Copper induced oxidative stress in tea (<i>Camellia sinensis</i>)	Saha D., Mandal S. and Saha A.	Journal of Environmental Biology, Triveni Enterprises, Lucknow (India)	33 (2012) 861-866	Natl
02	Effect of copper on seed germination, root elongation, shoot elongation of seedlings of commercially cultivated tea varieties	Mandal S., Saha A. and Saha D.	Plant Sciences, NBU	7(2013) 43-49	Natl

Kheyali Sarkar: Department of Botany

List of Publications in Journals

S.N.	Title of the paper	Author(s)	Name of the journal	Vol. (Year) pages
01	Ethnobotanical study in the coalfield area of Raniganj in Burdwan District	Barua B. And Sarkar K.	West Bengal, Environment and Ecology	29(3) (2011) 1196-1200
02	Effect of humic acid application on accumulation of mineral nutrition and pungency in garlic (<i>Allium sativum</i> L),	Denre M., Ghanty S. And Sarkar K.	International journal for Biotechnology and Molecular Biology research	5(2) (2014) 7-12.

Baisakhi Mukherjee: Department of Botany

List of Publications in Journals

S.N.	Title of the paper	Author(s)	Name of the journal	Vol. (Year) pages
01	Investigation on the algal flora of the Asansol area with special reference to coal field localities.	B. Mukherjee	18 th West Bengal Science and Technology Congress, 28.02-01.03.2009.	(2009) Nm 518



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Publications in Journals

S.N.	Title of the paper	Author(s)	Name of the journal	Vol. (Year) pages	Natl/ Intl	Pub.	ISSN/ ISBN
01	Status of Potability of Water Bodies in Different Portion of Coalfield Area(Eastern) in West Bengal	Ansuman Ray	The Global Journal of Life Science and Research(An International Journal Of Life Science And Research)	1(1) (2015)	Intl		ISSN-2395-115X
02	Assessment of Ground Water Quality by Physico-Chemical parameters in the Bhamuria Gram Panchayet of Neturia Block of Purulia, WestBengal.India.	Ansuman Ray	The Global Journal of Enviromental Science and Research(An International Journal Of Enviromental Science And Research)	2(3) (2015)	Intl		ISSN-2349-7335

Publications in seminar / Conference Proceedings

Sl.No	Title of the paper	Author(s)	Name of the Proceedings	Vol. (Year) pages	Natl/ Intl
01	Quality Assessment of Water Bodies In Coalfield areas(Raniganj and Asansol), West Bengal	Ansuman Ray	Indraprastha International Conference on Biotechnology	October 2013	Intl
02	Bacteriological Analysis Of Water Sources In Coalfield Area,West Bengal,India.	Ansuman Ray	4 th TiMS 14/International Conferences On Climate Change and Sustainable Management Of Natural Resources	February 2014	Intl
03	Bioremediation-An Ultimate Solution To Detoxify Toxic Wastes	Ansuman Ray, Ratul Mukherjee, S.Mukherjee	Harmony with Nature in Context Of Environmental Issues And Challenges Of the 21 st Century	Nov,2014	--
04	Assessment of Ground Water Quality by Physico-Chemical parameters in the Bhamuria Gram Panchayet of Neturia Block of Purulia,West Bengal.India.	Ansuman Ray,Ratul Mukherjee, S.Mukherjee	National Conference/Seminar On Natural Resources,Diversity and Sustainable Development	11-12 th December 2015	Natl

Chapter in Books

Sl. No.	Title of the Chapter	Authors	Name of the Book	Year/ Pages	Publisher	ISBN
01.	Status of Drinking Water Quality in Raniganj Coalfield Area of	Alokkumar De, Chinmoy Chatterjee, Krishna Bardhan (Ghosh), Saumendra Sankar Desarkar, Narayan Ray, Bidhan Chandra Mahatha,	Climate Change Effects on Agriculture and Economy, Editors: D.	(2013) Chapter 14 Pages: 113-134.	Bio-tech Books, New Delhi.	9788176222785.



West Bengal in India.	Manali Sengupta, Ansuman Ray , Suvra Dey, Avay Kumar Singh, Srijit Bhattacharya, Sudhee Ranjan Banerjee, Supriya Mukhopadhyay, Surajit Pal and Deepak Pandit.	R. Khanna, A. K. Chopra, Vikas Singh, Rakesh Bhutiani & Gagan Matta.			
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Publications in Journals

S.N.	Title of the paper	Author(s)	Name of the journal	Vol. (Year) pages	Natl/ Intl	ISSN/ ISBN
01	Phosphorylation Drives an Apoptotic Protein to Activate Antiapoptotic Genes: paradigm of influenza a matrix 1 protein function	Halder, U. C. , Bhowmick, R. , Roy Mukherjee, T. , Nayak, M.K. , Chawla-Sarkar, M.	<i>J Biol Chem</i>	288 (2013) 14554-68.	Intl	1083-351X, 0021-9258
02	Cell death regulation during influenza A virus infection by matrix (M1) protein: a model of viral control over the cellular survival pathway	Halder, U. C. , Bagchi, P. , Chattopadhyay, S. , Dutta, D. , and Chawla-Sarkar, M.	<i>Cell Death Dis2</i>	(2011), e197	Intl	2041-4889
03	A dihydro-pyrido-indole potently inhibits HSV-1 infection by interfering the viral immediate early transcriptional events.	Bag, P., Ojha, D., Mukherjee, H., Halder, U. C., Mondal, S., Biswas, A., Sharon, A., Van Kaer, L., Chakrabarty, S., Das, G., Mitra, D., Chattopadhyay, D.	<i>Antiviral Res</i>	105 (2014), 126-34.	Intl	1872-9096
04	An Indole Alkaloid from a Tribal Folklore Inhibits Immediate Early Event in HSV-2 Infected Cells with Therapeutic Efficacy in Vaginally Infected Mice.	Bag, P., Ojha, D., Mukherjee, H., Halder, U. C. , Mondal, S., Chandra, N. S., Nandi, S., Sharon, A., Sarkar, M. C., Chakrabarti, S., Chattopadhyay, D.	<i>PLoS One</i>	10(2013), :e77937.	Intl	1932-6203
05	Rotavirus-encoded nonstructural protein 1 modulates cellular apoptotic machinery by targeting tumor suppressor protein p53.	Bhowmick, R., Halder, U. C. , Chattopadhyay, S., Nayak, M. K., Chawla-Sarkar, M.	<i>J Virol</i>	87(2013), 6840-50	Intl	0022-538X, 1098-5514
06	Contribution to the knowledge of <i>Procloeon harveyi kimmins</i> (Insecta: Ephemeroptera) : Morphology and Ecology.	Mukherjee, T. K., Gattolliat, J. L., Halder, U. C.	<i>J Entomol Res Soc</i>	14(2012), 55-66	Intl	1302-0250
07	Rotaviral enterotoxin	Bhowmick, R.,	<i>JBiol</i>	287(2012),	Intl	1083-



	nonstructural protein 4 targets mitochondria for activation of apoptosis during infection.	Halder, U. C., Chattopadhyay, S., Chanda, S., Nandi, S., Bagchi, P., Nayak, M. K., Chakrabarti, O., Kobayashi, N., Chawla-Sarkar, M.	<i>Chem</i>	35004-20		351X,0021-9258
08	Identification of common human host genes involved in pathogenesis of different rotavirus strains: an attempt to recognize probable antiviral targets.	Bagchi, P., Nandi, S., Chattopadhyay, S., Bhowmick, R., Halder, U. C., Nayak, M. K., Kobayashi, N., Chawla-Sarkar, M.	<i>Virus Res</i>	169(2012), 144-153.	Intl	0168-1702,1872-7492
09	Active participation of cellular chaperone Hsp90 in regulating the function of rotavirus nonstructural protein 3 (NSP3).	Dutta, D., Chattopadhyay, S., Bagchi, P., Halder, U. C., Nandi, S., Mukherjee, A., Kobayashi, N., Taniguchi, K., Chawla-Sarkar, M.	<i>JBiol Chem</i>	286(2011), 20065-77	Intl	1083-351X,0021-9258
10	Rotavirus nonstructural protein 1 suppresses virus-induced cellular apoptosis to facilitate viral growth by activating the cell survival pathways during early stages of infection.	Bagchi, P., Dutta, D., Chattopadhyay, S., Mukherjee, A., Halder, U. C., Sarkar, S., Kobayashi, N., Komoto, S., Taniguchi, K., Chawla-Sarkar, M.	<i>JVirol</i>	84(2010), 6834-45	Intl	0022-538X,1098-5514

Publications in Seminar Proceedings

Sl.No	Title of the paper	Author(s)	Name of the Conference Proceed- ings, Duration, Venue, organizer, Sponsored.	Vol. (Year) pages	Natl/ Intl
01	“Dual role of matrix 1 protein in modulation of apoptosis during Influenza virus infection”	U.C. Halder	5 th Congress of European Microbiologists, FEMS2013	(Leipzig, Germany, July, 2013)	Intl
02	“Role of Influenza Virus Matrix Protein Modulating Apoptosis: Two Sides of a Coin”	U.C. Halder	Proceedings of the 100 th Session of the Indian Science Congress	Kolkata, India, Jan. 2013	Intl
03	“Influenza A virus encoded matrix protein modulates cellular apoptosis for efficient viral infection”	U.C. Halder	2 nd Internationalconference on Perspectives of Cell Signaling and Molecular Medicine	Kolkata, India, Jan. 2012	Intl

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Publications in Journals

S.N.	Title of the paper	Author(s)	Name of the journal	Vol. (Year) pages
01	<i>Physico-chemical studies of water quality of the river Nunia at Asansol industrial area.</i>	Chatterjee, C. and M. Raziuddin	J. Environment & Pollution	7(4) (2000), 259-261
02	<i>Assessment of physico-chemical and microbial status of river Nunia in relation to its impact on public health.</i>	Chatterjee, C. and M. Raziuddin	J. Environment & Pollution	8(3) (2001), p. 267-270



03	<i>Bacteriological Status Of River Water In Asansol Town In West Bengal</i>	Chatterjee, C. and M. Raziuddin	J. Environment & Pollution	8 (2) (2001), 217-219
04	<i>Determination of Water Quality Index (WQI) of a degraded river in Asansol industrial area (West Bengal)</i>	Chatterjee, C. and M. Raziuddin	J. Nature, Environment & Pollution Technology	1(2) (2002) 181-189
05	<i>Abatement of nutrient levels of polluted river water by water hyacinth (Eichhornia crassipes)</i>	Chatterjee, C. and M. Raziuddin	J. Nature, Environment & Pollution Technology	1(4) (2002) 357-360

Publications in Seminar/ Conference Proceedings

Sl.No	Title of the paper	Author(s)	Name of the Conference Proceedings	Vol. (Year) pages
01	The effect of zinc on the respiratory surface of <u>Catlacatla</u>	Chatterjee, C	85 th session of the Indian Science Congress.	Hyderabad, January 2-8, 1998
02	Bioaccumulation of lead in blood of Traffic Police working in Grand Trunk Road between Asansol and Durgapur	Chatterjee, C.	86 th session of the Indian Science Congress.	Chennai, January 2-8, 1999
03	Water hyacinth, a good pollutant harvester.	Chatterjee, C.	National seminar on The Impact of Environmental Degradation on Human Population (Sponsored by UGC, Calcutta)	Calcutta, January 28-29, 2003
04	. Impacts of urban and industrial wastes on river nunia	Chatterjee, C	..	

Chapter in Books

Sl. No.	Title of the Chapter	Authors	Name of the Book	Year/ Pages	Publisher	ISBN
01.	Status of Drinking Water Quality in Raniganj Coalfield Area of West Bengal in India.	Alokkumar De, Chinmoy Chatterjee , Krishna Bardhan (Ghosh), Saumendra Sankar Desarkar, Narayan Ray, Bidhan Chandra Mahatha, Manali Sengupta, Ansuman Ray, Suvra Dey, Avay Kumar Singh, Srijit Bhattacharya, Sudhee Ranjan Banerjee, Supriya Mukhopadhyay, Surajit Pal and Deepak Pandit.	Climate Change Effects on Agriculture and Economy, Editors: D. R. Khanna, A. K. Chopra, Vikas Singh, Rakesh Bhutiani & Gagan Matta.	(2013) Chapter 14 Pages: 113-134.	Bio-tech Books, New Delhi.	9788176222785.

Sukumar Paitandi: Department of Commerce

Research Publications in Journals

S.N.	Title of the paper	Author(s)	Name of the journal	Vol. (Year) pages	Natl/ Intl	ISSN/ ISBN
01	Tools used to measure the Socio-Economic performance of Cooperative Societies	Paitandi S.	Indian Journal of Applied Research, Ahmedabad	04(06) (2014) 74-77	Natl	ISSN: 2249-555X Impact Factor: 2.1652
02	Ratios used to measure the Financial	Paitandi S.	International Journal of	03(12) (2014)	Int	ISSN: 2277-8179



	Performance of the Employees Credit Cooperative Societies		Scientific Research, Ahmedabad	61-64		Impact Factor: 1.8651
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Publications in Seminar Proceedings

Sl.No	Title of the paper	Author(s)	Name of the Conference Proceedings, Duration, Venue, organizer, Sponsored.	Vol. (Year) pages	Natl/ Intl
01	Global Economic Crisis, Genesis and Policies or Solution	Sukumar Paitandi	2 nd All India Conference on Business Studies, Durgapur International Business Studies Academia, Durgapur,	2012	Natl
02	Ratios used to measure the profitability of the Cooperative Credit Societies	Do	4 th All India Conference on Business Studies, Durgapur International Business Studies Academia in association with Deshbandhu Mahavidyalaya, Chittaranjan, Burdwan,	2014	Natl

Papers published in books

S.N.	Title of the Paper	Author(s)	Name of the Book	Vol. (Year) pages	Natl/ Intl	Pub.
01	“Tagore and the Concept of Cooperation”	Paitandi S.	Simar Mahje Ashim Tumi: Rabindranath, A collection of essays by Raniganj Girls' College	(2013) 249-252	National	Art Publishing



